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1 1905
UNIVERSITY OF TORONTO.

The Institution of Mechanical Engineers.

ESTABLISHED 1847.

LIST OF MEMBERS.

1st MARCH 1905.

ARTICLES AND BY-LAWS.

The Institution of Mechanical Engineers.

ESTABLISHED 1847.

LIST OF MEMBERS, &c.

1st March 1905.

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The Institution of Mechanical Engineers.

PAST-PRESIDENTS.

George Stephenson, 1847–48. (*Deceased* 1848.)

Robert Stephenson, F.R.S., 1849–53. (*Deceased* 1859.)

Sir William Fairbairn, Bart., LL.D., F.R.S., 1854–55. (*Deceased* 1874.)

Sir Joseph Whitworth, Bart., D.C.L., LL.D., F.R.S., 1856–57, 1866. (*Deceased* 1887.)

John Penn, F.R.S., 1858–59, 1867–68. (*Deceased* 1878.)

James Kennedy, 1860. (*Deceased* 1886.)

The Right Hon. Lord Armstrong, C.B., D.C.L., LL.D., F.R.S., 1861–62, 1869. (*Deceased* 1900.)

Robert Napier, 1863–65. (*Deceased* 1876.)

John Ramsbottom, 1870–71. (*Deceased* 1897.)

Sir William Siemens, D.C.L., LL.D., F.R.S., 1872–73. (*Deceased* 1883.)

Sir Frederick J. Bramwell, Bart., D.C.L., LL.D., F.R.S., 1874–75. (*Deceased* 1903.)

Thomas Hawksley, F.R.S., 1876–77. (*Deceased* 1893.)

John Robinson, 1878–79. (*Deceased* 1902.)

Edward A. Cowper, 1880–81. (*Deceased* 1893.)

Percy G. B. Westmacott, 1882–83.

Sir Lowthian Bell, Bart., LL.D., F.R.S., 1884. (*Deceased* 1904.)

Jeremiah Head, 1885–86. (*Deceased* 1899.)

Sir Edward H. Carbutt, Bart., 1887–88.

Charles Cochrane, 1889. (*Deceased* 1898.)

Joseph Tomlinson, 1890–91. (*Deceased* 1894.)

Sir William Anderson, K.C.B., D.C.L., F.R.S., 1892–93. (*Deceased* 1898.)

Professor Alexander B. W. Kennedy, LL.D., F.R.S., 1894–95.

E. Windsor Richards, 1896–97.

Samuel Waite Johnson, 1898.

Sir William H. White, K.C.B., LL.D., D.Sc., F.R.S., 1899–1900.

William H. Maw, 1901–02.

J. Hartley Wicksteed, 1903–04.

The Institution of Mechanical Engineers.

OFFICERS.

1905.

PRESIDENT.

Edward P. Martin, ... Abergavenny.

PAST-PRESIDENTS.

Sir Edward H. Carbutt, Bart., ... London.
Samuel Waite Johnson, ... Nottingham.
Professor Alexander B. W. Kennedy, LL.D., F.R.S., .. London.
William H. Maw, ... London.
E. Windsor Richards, ... Caerleon.
Percy G. B. Westmacott, ... Ascot.
Sir William H. White, K.C.B., LL.D., D.Sc., F.R.S., .. London.
J. Hartley Wicksteed, ... Leeds.

VICE-PRESIDENTS.

John A. F. Aspinall, ... Manchester.
Edward B. Ellington, ... London.
Arthur Keen, ... Birmingham.
Sir William T. Lewis, Bart., ... Aberdare.
T. Hurry Riches, ... Cardiff.
A. Tannett-Walker, ... Leeds.

MEMBERS OF COUNCIL.

Sir Benjamin Baker, K.C.B., K.C.M.G., LL.D., D.Sc., F.R.S., London.
Sir J. Wolfe Barry, K.C.B., LL.D., F.R.S., ... London.
Henry Chapman, ... London.
George J. Churchward, ... Swindon.
Henry Davey, ... London.
William Dean, ... Folkestone.
H. Graham Harris, ... London.
Edward Hopkinson, D.Sc., ... Manchester.
Henry A. Ivatt, ... Doncaster.
Henry Lea, ... Birmingham.
Michael Longridge, ... Manchester.
James Mansergh, F.R.S., ... London.
Henry D. Marshall, ... Gainsborough.
The Right Hon. William J. Pirrie, LL.D., ... Belfast.
Sir Thomas Richardson, ... Hartlepool.
John F. Robinson, ... London.
Mark H. Robinson, ... Rugby.
John W. Spencer, ... Newcastle-on-Tyne.
Sir John I. Thornycroft, LL.D., F.R.S., ... London.
John Tweedy, ... Newcastle-on-Tyne.
Henry H. West, ... Liverpool.

HON. TREASURER.

Harry Lee Millar.

AUDITOR.

Robert A. McLean, F.C.A.

SECRETARY.

Edgar Worthington,

The Institution of Mechanical Engineers,
Storey's Gate, St. James's Park, Westminster, S.W.

Telegraphic address:—*Mech, London.* Telephone:—*Westminster*, 264.

TOTALS.

Honorary Life Members	9
Members	2,351
Associate Members	1,545
Associates	72
Graduates	450
	4,427

The Institution of Mechanical Engineers.

ESTABLISHED 1847.

LIST OF MEMBERS,

WITH YEAR OF ELECTION.

[*Telegraph Address and Telephone No. appended within brackets.*]

1st March 1905.

HONORARY LIFE MEMBERS.

[Hon. M.I.Mech.E.]

1890. His Most Gracious Majesty King Edward the Seventh.

1899. H.R.H. George, Prince of Wales, K.G., K.T., K.P., &c., York House, St. James's Palace, London, S.W.

1878. Crawford and Balcarres, The Right Hon. the Earl of, K.T., F.R.S., 2 Cavendish Square, London, W.; Haigh Hall, Wigan; and Observatory, Dunecht, Aberdeen.

1889. Eiffel, Gustave, 1 Rue Rabelais, Paris.

1901. Kelvin, The Right Hon. Lord, G.C.V.O., O.M., D.C.L., LL.D., F.R.S., Netherhall, Largs, Ayrshire.

1883. Kennedy, Alexander Blackie William, LL.D., F.R.S., Emeritus Professor of Engineering, University College, London: 17 Victoria Street, Westminster, S.W. [*Kinematic, London.*]

1878. Rayleigh, The Right Hon. Lord, O.M., F.R.S., 4 Carlton Gardens, London, S.W.; and Terling Place, Witham, Essex.

1888. Rosse, The Right Hon. the Earl of, K.P., D.C.L., LL.D., F.R.S., Birr Castle, Parsonstown, Ireland.

1896. Unwin, Professor William Cawthorne, F.R.S., Palace Gate Mansions, 29 Palace Gate, Kensington, London, W.

MEMBERS.

[M.I.Mech.E.]

1896. Abady, Jacques, Messrs. Alexander Wright and Co., 81 Page Street, Westminster, S.W. [*Precision, London.* Westminster 337.]

1890. Abbott, Arthur Harold, care of Messrs. Octavius Steel and Co., Calcutta, India.

1878. Abbott, Thomas, Newark Boiler Works, Newark [*Abbott, Newark.*]; and The Square, Retford.

1861. Abel, Charles Denton, Messrs. Abel and Imray, Birkbeck Bank Chambers, Southampton Buildings, London, W.C. [*Patentable, London.* Holborn 109.]

1894. Accles, William Sloane, 25 Victoria Street, Westminster, S.W. [*Niliacus, London.* Westminster 486.]

1892. Acland, Captain Francis Edward Dyke, 76 Cheapside, London, E.C. [*Onager, London.* Bank 5252.]

1897. Adams, Edwin, Messrs. Hulse and Co., Ordsal Works, Regent Bridge, Salford, Manchester; and Moorfield, Palatine Road, Withington, Manchester.

1876. Adams, Henry, 60 Queen Victoria Street, London, E.C. [*Viburnum, London.* Bank 6006.]

1902. Adams, John Henry, Locomotive Carriage and Wagon Superintendent, North Staffordshire Railway, Stoke-on-Trent.

1881. Adams, William John, 35 Queen Victoria Street, London, E.C. [*Packing, London.* Bank 38.]

1900. Adamson, Charles John, 43 Guildford Road, Greenwich, London, S.E.

1897. Adamson, Daniel, Messrs. Joseph Adamson and Co., Hyde. [*Adamson, Hyde.* Nat. Tel. 13.]

1871. Adamson, Joseph, Messrs. Joseph Adamson and Co., Hyde. [*Adamson, Hyde.* Nat. Tel. 13.]

1889. Addy, George, Waverley Works, Sheffield. [*Milling, Sheffield.* 985.]

1903. Adie, Alfred Edmond, Engineer-in-Chief, Martin group of Light Railways in Bengal; care of Messrs. Martin and Co., Jackson House, Calcutta, India.

1887. Ahmed Pasha, Rear Admiral, Engineer-in-Chief and Head of Technical Inspecting Commission, Imperial Naval Arsenal, Constantinople.

1891. Ahrbecker, Henry Conrad Vandepoel, Mort's Dock and Engineering Co., Balmain, Sydney, New South Wales.

1895. Ahrons, Ernest Leopold, 8 Douglas Road, Nottingham.

1902. Aitken, Charles Henry William, Superintending Engineer, El Varadero de Manila, Cañacao, Manila, Philippine Islands.

1900. Aitken, Hugh Wallace, 140 Bath Street, Glasgow. [*Sugarcane, Glasgow.*]

1900. Aiton, John Arthur, Western Works, Hythe Road, Willesden Junction, London, N.W. [Harlesden 88.]

1898. Akers, Charles Henry, Hacienda Chocola, Mazatenango, Guatemala.

1901. Akroyd-Stuart, Herbert, Akroyd Buildings, Melbourn Road, Perth, Western Australia.

1885. Alderson, George Beeton, Messrs. Allen, Alderson and Co., Alexandria, Egypt; Norland House, Ramleh, Egypt: (or care of Messrs. Stafford Allen and Sons, 7 Cowper Street, Finsbury, London, E.C.)

1881. Alexander, Edward Disney, Milton House, Northampton.

1875. Allan, George, Bowesfield Steel Co., Stockton-on-Tees.

1885. Allcard, Harry, Messrs. Easterbrook Allcard and Co., Albert Works, Penistone Road, Sheffield.

1874. Allen, Francis, Messrs. Allen Alderson and Co., Gracechurch Street, Alexandria, Egypt: (or care of Messrs. Stafford Allen and Sons, 7 Cowper Street, Finsbury, London, E.C.)

1891. Allen, Marcus, Union Brass and Iron Works, Great Ancoats Street, and Phœnix Iron Works, Jersey Street, Manchester [*Valves, Manchester. Nat.* 60.]; and Oakdene, Knutsford.

1881. Allen, Percy Ruskin, Castner-Kellner Alkali Co., Weston Point, Runcorn; and Ferncliffe, Higher Runcorn, Cheshire.

1900. Allen, Richard William, Messrs. W. H. Allen, Son and Co., Queen's Engineering Works, Bedford. [*Pump, Bedford.*]

1885. Allen, William Henry, Messrs. W. H. Allen, Son and Co., York Street Works, Lambeth, London, S.E. [*Pump, London.*]; and Queen's Engineering Works, Bedford. [*Pump, Bedford.*]

1882. Allen, William Milward, 199 High Street, C.-on-M., Manchester.

1899. Alley, Stephen Evans, Manager, Messrs. Alley and MacLellan, Sentinel Works, Polmadie Road, Glasgow; and 8 Woodside Terrace, Glasgow. [*Alley, Glasgow.* Royal 673.]

1865. Alleyne, Sir John Gay Newton, Bart., Chevin, Belper.

1884. Alleyne, Reynold Henry Newton, North Wootton, King's Lynn.

1872. Alliott, James Bingham, Messrs. Manlove Alliott and Co., Bloomsgrove Works, Ilkeston Road, Nottingham. [*Manloves, Nottingham.*]

1891. Allott, Charles Sneath, 46 Brown Street, Manchester. [*Allotted, Manchester. Nat.* 1952.]

1871. Allport, Howard Aston, Dodworth Grove, Barnsley.

1884. Almond, Harry John, General Manager, La Guaira and Caracas Railway, Caracas, Venezuela: (or care of Messrs. G. and W. Almond, 67 Willow Walk, London, S.E.)

1894. Ambler, Frank, General Manager, Great Southern Brazilian Railway, Uruguayana, Brazil.

1904. Ames, Richard, Managing Director, Ames Crosta Sanitary Engineering Co., City Chambers, Nottingham. [*Ames, Nottingham.* 1242.]

1903. Amor, Walter, Ammunition Factory, Dum-dum, near Calcutta, India.

1885. Amos, Ewart Charles, 20 Bucklersbury, Queen Victoria Street, London, E.C.; and Eastdene, Grange Road, Sutton, Surrey. [*Drilling, London.* Bank 5438.]

1891. Anderson, Alexander Southerland, 119 Lewin Road, Streatham Common, London, S.W.

1880. Anderson, Edward William, Lesney, Warwick Road, Solihull, Birmingham.

1900. Anderson, Eugene Ernest James, Engineer, Corporation Gas Works, Middleton, Manchester.

1902. Anderson, Harry, Chief Engineer, Swanscombe Works, Swanscombe, Greenhithe, S.O., Kent.

1890. Anderson, Herbert William, Fairfield, Broom Road, Teddington, S.O., Middlesex.

1901. Anderson, John Reid, 13 Charles Street, St. James's, London, S.W.

1892. Anderson, John Wemyss, The University, Liverpool.

1902. Anderson, Percy, Signal Engineer, Signal Works, Engineer's Department, Cape Government Railways, Salt River, Cape Colony.

1891. Anderson, William, Messrs. Head Wrightson and Co., Teesdale Iron Works, Stockton-on-Tees.

1901. Andlau, William Ferdinand von, P.O. Box 51, Gibraltar.

1899. Andrew, George Edward, Engineer Lieut. R.N., care of Messrs. John Brown and Co., Clydebank, Glasgow.

1895. Andrews, Thomas, Messrs. Andrews and Baby, Welsh Wagon Works, East Moors, Cardiff. [*Wagons, Cardiff.* 693.]

1902. Andrews, Thomas, Messrs. Harland and Wolff, Belfast; and 31A Wellington Place, Belfast.

1903. Angas, Alfred Spelman, Assistant Manager, Royal Gun Factory, Woolwich; and The Nyth, Blackheath Park, London, S.E.

1893. Angas, William Moore, Jacksonville, Florida, United States: (or care of G. Douglas Angas, Neswick, Bainton, Hull.)

1885. Anson, Frederick Henry, 28 Victoria Street, Westminster, S.W.

1905. Anstey, Henry Charles, Engineer Lieut. R.N., Manager, Messrs. Richard Hornsby and Sons, Spittlegate Iron Works, Grantham.

1899. Appleby, George William, care of Imperial Maritime Customs, Kowloon, Hong Kong, China.

1883. Appleby, Percy Vavasseur, London Steam Crane and Engine Works, Grafton Place, Leicester.

1901. Arakawa, Shinichiro, Consulting Engineer to Japanese Government, 330 Kitano, Osaka, Japan.

1874. Aramburu y Silva, Fernando, Almagro 32, Madrid.

1903. Arkwright, Bernard George, Sir W. G. Armstrong, Whitworth and Co., Elswick Works, Newcastle-on-Tyne.

1882. Armer, James, Messrs. John Birch and Co., 3 London Wall Buildings, London, E.C.

1902. Armes, Benjamin Stephen, 35 Usk Street, Green Street, Bethnal Green, London, N.E.

1894. Armour, James Glencairn, Queen Insurance Buildings, 13 Castle Street, Liverpool. [*Area, Liverpool.* 2413.]

1876. Armstrong, William, Jun., Mining Engineer, Wingate Colliery, County Durham.

1870. Armstrong, William Irving, Timber Works and Saw Mills, 17 North Bridge Street, Sunderland.

1898. Arnold, Joseph Albert, Messrs. Eastwood, Swingler and Co., Victoria and Railway Iron Works, Derby. [*Swingler, Derby.* 150.]

1897. Arnold, William, 17 Park Road, Harlesden, London, N.W.

1902. Arnot, Arthur James, Babcock and Wilcox Co., 83 Pitt Street, Sydney, New South Wales.

1894. Arnot, William, 163 Hope Street, Glasgow. [*Induction, Glasgow.* 638 Argyle.]

1887. Arrol, Sir William, M.P., LL.D., Dalmarnock Iron Works, Glasgow..

1887. Arteaga, Alberto de, Juncal 1367, Buenos Aires, Argentine Republic: (or care of M. Raggio Carneiro, 55 and 56 Bishopsgate Street Within, London, E.C.)

1902. Asbury, George Elias, Messrs. Abbott and Co., Newark Boiler Works, Newark; and 16 Wellington Road, Newark. [*Asbury, Newark.*]

1901. Ash, Alfred Ellis, Vauxhall Iron Works, Wandsworth Road, London, S.W.

1873. Ashbury, Thomas (*Life Member*), 17 St. Ann's Square, Manchester; and Ash Grove, Victoria Park, Longsight, Manchester. [*Aluminium, Manchester.*]

1888. Ashby, George, Messrs. N. Wadia and Sons, Cumballa Hill, Bombay, India.

1895. Ashcroft, Andrew George, City and Guilds of London Central Institution, Exhibition Road, London, S.W.; and 1 Gainsborough Road, Bedford Park, London, W.

1889. Ashford, John, 79 Spencer Street, Birmingham.

1903. Ashley, Herbert, Engineer, Borough of Portsmouth Water Works, Commercial Road, Portsmouth.

1902. Ashton, Harold Thomas, D.Sc., Royal Arsenal, Woolwich.

1891. Ashworth, Henry, Brynderwen, Bwlch, R.S.O., Breconshire.

1890. Askham, John Unwin, Messrs. Askham Brothers and Wilson, Yorkshire Steel Works, Napier Street, Sheffield; and 180 Psalter Lane, Brincliffe, Sheffield.

1890. Askham, Philip Unwin, Messrs. Askham Brothers and Wilson, Yorkshire Steel Works, Napier Street, Sheffield; and 180 Psalter Lane, Brincliffe, Sheffield.

1881. Aspinall, John Audley Frederick, General Manager, Lancashire and Yorkshire Railway, Hunt's Bank, Manchester; and Gledhill, Mossley Hill Drive, Liverpool.

1902. Astbury, Albert James, General Manager, Messrs. Thomas Astbury and Son, Smethwick Foundry, near Birmingham. [*Astbury, Birmingham*, 26 Smethwick.]

1890. Aston, John W., Messrs. Belliss and Morcom, Ledsam Street, Birmingham; and Municipal Technical School, Birmingham.

1899. Atherton, Thomas, Dallam Forge, Warrington; and Folly Lane, Warrington.

1901. Atherton, William Henry, The Plantation, 101 Whitaker Road, Derby.

1889. Atkinson, Alexander, Lahore, Punjaub, India.

1896. Atkinson, Frederic, Albert Buildings, 49 Queen Victoria Street, London, E.C. [*Fixed, London.*]

1900. Atkinson, Frederick Arthur, Managing Director, W. R. Sykes Interlocking Signal Co., Station Road, Clapham, London, S.W. [*Blockish, London.* 325 Battersea.]

1898. Atkinson, Henry, 47 Victoria Street, Westminster, S.W.

1892. Atkinson, James, Benavie, Station Road, Marple, near Stockport.

1897. Atkinson, Robert Ernest, Messrs. Ashwell and Nesbit, Great Central Street, Leicester. [*Plenum, Leicester.* 190.]

1903. Attack, Edward Arthur, Messrs. H. Pontifex and Sons, Farringdon Works, Shoe Lane, London, E.C.

1898. Attwood, Jabez, Foster Street, Stourbridge; and Hagley Road, Stourbridge. [*Attwoods, Stourbridge.*]

1903. Auld, James Paton, Public Works Department, Old Calabar, Southern Nigeria.

1892. Ault, Edwin, 47 Victoria Street, Westminster, S.W.

1892. Austin, James Meredith, 1 Milton Road, Bedford.

1894. Aveline, William Rebotier, Asiatic Petroleum Co., 24 and 28 St. Mary Axe, London, E.C.

1882. Aveling, Thomas Lake, Messrs. Aveling and Porter, Rochester. [*Aveling, Rochester.*]

1897. Avery, William Beilby (*Life Member*), Messrs. W. and T. Avery, Soho Foundry and Digbeth, Birmingham; and Oakley Court, Windsor.

1899. Awdry, Walter Llewellyn, 33 Union Street, Birmingham. [1806.]

1897. Back, Arthur Charles Lemprière, Devon and Cornwall Ice and Cold Storage Co., Plymouth.

1891. Bagshaw, Walter, Victoria Foundry, Batley. [Former Member 1872–1887.]

1899. Baguley, Ernest Edwin, Ryknield Engine Co., Burton-on-Trent.

1885. Bailey, Sir William Henry, Albion Works, Salford, Manchester [*Beacon, Salford.*]; and Sale Hall, Cheshire.

1899. Bailey, William Seybourne, 17 Praya Central, Hong Kong, China.

1901. Bailie, John David, 23 Park Row, Leeds. [*Turbo, Leeds.* 1194.]

1872. Bailly, Philimond, 10 Place Royale, Bruxelles, Belgium.

1902. Bain, David, Carriage and Wagon Superintendent, Midland Railway, Derby.

1890. Bain, George, Carriage and Wagon Works Manager, Egyptian Government Railways, Cairo, Egypt.

1880. Bain, William Neish, 40 St. Enoch Square, Glasgow; and Collingwood, 7 Aytoun Road, Pollokshields, Glasgow. [*Glacis, Glasgow.*]

1869. Bainbridge, Emerson, Nunnery Colliery Offices, New Haymarket, Sheffield; and 4 Whitehall Court, London, S.W.

1902. Baird, David George, Messrs. Baird and Todd, Talbot Engineering Works, Talbot Place, Dublin. [995.]

1898. Baister, Charles, Locomotive Department, North Eastern Railway, Gateshead.

1890. Baker, Sir Benjamin, K.C.B., K.C.M.G., LL.D., D.Sc., F.R.S. (*Life Member*), 2 Queen Square Place, Westminster, S.W.

1902. Baker, Ernest Folliott, Engineer Lieut. R.N., H.M.S. "Good Hope," care of Postmaster-General, London, E.C.

1897. Baker, George Samuel, Messrs. Joseph Baker and Sons, Willesden Junction, London, N.W. [*Bakers, London.* 3 Harlesden.]

1904. Baker, Joseph Allen, Messrs. Joseph Baker and Sons, Willesden Junction, London, N.W. [*Bakers, London.* 3 Harlesden.]

1896. Baker, William Henry, Superintendent of Works, Residency Post Office, Gwalior, Central India.

1893. Baldwin, Alfred, M.P., Wilden Iron Works, Stourport.

1894. Baldwin, Arthur Hugh, Messrs. Kendall and Gent, Victoria Works, Belle Vue, Manchester. [*Tools, Manchester.* 5147.]

1903. Baldwin, James, Devonshire Brass Works, Keighley. [*Baldwin, Engineers, Keighley.* 156.]

1877. Bale, Manfred Powis, Appold Street, Finsbury, London, E.C.

1897. Balkwill, Alfred John, 142 Albemarle Terrace, Ashton-under-Lyne.

1897. Bamber, Herbert William, 25 Ryder Street, St. James's, London, S.W.

1898. Bamford, Robert George, Assistant Locomotive Superintendent, Madras Railway, Perambore Works, Madras, India.

1887. Bamlett, Adam Carlisle, Agricultural Engineering Works, Thirsk.

1898. Bancroft, Francis James, Water Engineer, Town Hall, Hull.

1901. Banham, Charles Procter, Table Bay Harbour Works, Cape Town, Cape Colony.

1901. Banister, Alan Neville, Engineer and Manager, Norwich Electric Tramways, St. Stephen's Chambers, Norwich. [*Tramways, Norwich.* 475.]

1892. Banister, George Henry, Ordnance Department, Messrs. Vickers, Sons and Maxim, Barrow-in-Furness.

1901. Barber, John Watkins, South Eastern and Chatham Railway, Longhedge Works, Battersea Park, London, S.W.

1898. Barber, Thomas Walter, 17 and 18 Tothill Street, Westminster, S.W.; and 5 Palmer Street, Westminster, S.W.

1903. Barclay, Andrew Walker, General Manager, Messrs. W. Fulton and Sons, Glenfield Works, Paisley; and Newhall Villa, Glenfield, Paisley.

1888. Barker, Eric Gordon, Locomotive Superintendent, Sierra Leone Government Railway, P.O. Box 96, Freetown, Sierra Leone.

1899. Barker, Gerald, 1 Victoria Street, Westminster, S.W.

1896. Barker, Matthew Wilson, 21 King's Avenue, Muswell Hill, London, N.

1899. Barker, Thomas Perronet, General Manager, Messrs. Thomas Piggott and Co., Atlas Works, Birmingham.

1885. Barker, Tom Birkett, Lapworth Croft, Warwickshire.

1899. Barley, Clement Johnson, Point House, Blackheath, London, S.E.

1903. Barlow, Arthur Bernoulli, Messrs. H. B. Barlow and Co., Cornbrook Works, Chester Road, Manchester. [*Works, Manchester.* 3685.]

1900. Barman, Harry Drummond Dawson, Airdrie Iron Works, Airdrie. [*Iron, Airdrie.* 6.]

1904. Barnes, Charles, Messrs. Ruston, Proctor and Co., Sheaf Iron Works, Lincoln.

1891. Barnes, John Edward Lloyd, Messrs. Sloan and Lloyd Barnes, 34 Castle Street, Liverpool. [*Technical, Liverpool.* 6080.]

1887. Barningham, James, 41 Victoria Buildings, Victoria Street, Manchester.

1884. Barr, Archibald, D.Sc., Professor of Engineering, The University, Glasgow.

1887. Barringer, Herbert, 78 Gracechurch Street, London, E.C.

1862. Barrow, Joseph, Messrs. Thomas Shanks and Co., Johnstone, near Glasgow. [*Shanks, Johnstone.*]

1901. Barrow, Louis, Messrs. Cadbury Brothers, Bournville, near Birmingham.

1871. Barry, Sir John Wolfe, K.C.B., LL.D., F.R.S., 21 Delahay Street, Westminster, S.W. [*Consilium, London.* Westminster 24.]

1883. Bartlett, James Herbert, Middlesbrough, Kentucky, United States.

1900. Barty, Alexander Douglas, Moss Works, Prescot.

1899. Bashforth, Andrew, Messrs. Sanderson Brothers and Co., Sheffield.

1887. Bate, Lt.-Colonel Charles McGuire, R.E., R.E. Office, Gibraltar.

1896. Bateman, James Thomas, 34 Bridge Avenue, Hammersmith, London, W.

1904. Baxter, George Handyside, Clyde Navigation Trust, 16 Robertson Street, Glasgow.

1892. Baxter, Peter Macleod, Messrs. McKie and Baxter, Copland Works, Govan, Glasgow.

1899. Bayley, George Ridley, Resident Engineer and Manager, Liverpool Hydraulic Power Co., 123 Athol Street, Liverpool, N.

1872. Bayliss, Thomas Richard, Belmont, Northfield, Birmingham.

1903. Bayliss, William, Manager, Messrs. Galloways, Knott Mill Iron Works, Manchester.

1899. Beale, Bertram Robert, 82 Victoria Street, Westminster, S.W.

1898. Beard, Arthur Charles, London County Council, Spring Gardens, London, S.W.

1895. Beard, Bernard, Messrs. Ashmore, Benson, Pease and Co., Stockton-on-Tees.

1887. Beardmore, William, Parkhead Forge and Steel Works, Glasgow.

1893. Beare, Thomas Hudson, F.R.S.E., Professor of Engineering, The University, Edinburgh.

1891. Beatty, Hazlitt Michael, C.M.G., Chief Locomotive Superintendent, Cape Government Railways, Cape Town, Cape Colony; and Rosclare Camp Ground, Rondebosch, near Cape Town, Cape Colony.

1899. Beaumont, Roberts, Professor of Textile Industries, The University, Leeds.

1880. Beaumont, William Worby, Outer Temple, 222 Strand, London, W.C. [*Vibromotor, London.* Gerrard 4160.]

1859. Beck, Edward (*Life Member*), Heddon House, Isleworth.

1901. Beck, Isaac, 17 Haymarket, Sheffield. [*Beck, Engineer, Sheffield.*]

1873. Beck, William Henry, 115 Cannon Street, London, E.C.

1882. Bedson, Joseph Phillips, Carisbrook, Victoria Park, Manchester.

1875. Beeley, Thomas, Messrs. Thomas Beeley and Son, Hyde Junction Iron Works, Hyde, near Manchester. [*Beeley, Hyde.*]

1899. Beeley, Thomas Carter, Messrs. Thomas Beeley and Son, Hyde Junction Iron Works, Hyde, near Manchester. [*Beeley, Hyde.*]

1898. Beesly, Gerald, Managing Director, Tubes Co., Credenda Works, Bridge Street, Smethwick, Birmingham; and The Pump House, Barnt Green, Birmingham.

1900. Begbie, Sydney Dawson, Managing Director, Begbie Manufacturing Co., 407 Oxford Street, London, W. [*Recessing, London.*]

1903. Begbie, Thomas, Sen., P.O. Box 3982, Johannesburg, Transvaal, South Africa.

1901. Behr, Hans Charles, Consolidated Gold Fields of South Africa, P.O. Box 1167, Johannesburg, Transvaal, South Africa.

1888. Beldam, Asplan, 93–94 Gracechurch Street, London, E.C.; and Elmwood Manor, Baldock, Herts.

1902. Bell, Arthur Morton, Carriage and Wagon Superintendent, Great Indian Peninsula Railway, Bombay, India.

1885. Bell, Charles Lowthian, Clarence Iron Works, Middlesbrough; and Linthorpe, Middlesbrough. [*Bells, Middlesbrough.* 5510.]

1897. Bell, Major Charles Thornhill, R.A., Superintendent, Gun Carriage Factory, Bombay, India.

1901. Bell, Edwin, Fort Monckton, Gosport.

1897. Bellamy, Alfred Rowe, Managing Director, Messrs. J. E. H. Andrew and Co., Reddish, near Stockport.

1903. Bellamy, Charles Vincent, 27 Peverell Park Road, Plymouth.

1868. Belliss, George Edward, Messrs. Belliss and Morcom, Ledsam Street, Birmingham [*Belliss, Birmingham.*]; and The Dell, King's Norton, near Birmingham.

1897. Belliss, John, Messrs. Belliss and Morcom, Ledsam Street, Birmingham [*Belliss, Birmingham*]; and 10 Lyttelton Road, Edgbaston, Birmingham.

1878. Belsham, Maurice, Messrs. Price and Belsham, 52 Queen Victoria Street, London, E.C.

1895. Benn, Sykes, Messrs. S. S. Stott and Co., Haslingden, near Manchester. [*Elevator, Haslingden.* 103.]

1902. Bennett, Arthur Edward, Messrs. Webster and Bennett, Atlas Works, Coventry; and Woodheys, Elms Road, Leicester. [*Profile, Coventry.* 221.]

1894. Bennett, James William, Messrs. John Birch and Co., 3 London Wall Buildings, London, E.C.

1900. Bennie, Peter, Agencia de Tharsis, Huelva, Spain.

1895. Bennington, John William, Engineer Commander R.N., Eastleigh, Festing Grove, Southsea, Portsmouth.

1895. Bennion, Charles, Messrs. Pearson and Bennion, Union Works, Leicester; and Danes Hill House, Hinckley Road, Leicester. [*Prominent, Leicester.* 103.]

1895. Bennis, Alfred William, Newholme, Sharples Park, Bolton.

1894. Bentley, George, Messrs. Bentley and Jackson, Lodge Bank Works, Bury, Lancashire.

1896. Bentley, Wallace, Royal Insurance Buildings, Crossley Street, Halifax; and Hyde Park, Halifax.

1903. Benton, Walford John, 53 Ash Grove, Hyde Park, Leeds.

1895. Berchem, Alphonse Henry Emanuel, Worthington Pump Co., 153 Queen Victoria Street, London, E.C.

1878. Berrier-Fontaine, Marc, Directeur du Génie Maritime du Cadre de Réserve, 16 Boulevard de Strasbourg, Toulon-sur-mer, (Var), France.

1893. Berry, Henry, Croydon Works, Leeds.

1893. Berry, John Ferrier, Wolhuter Gold Mining Co., P.O. Box 1160, Johannesburg, Transvaal, South Africa.

1897. Berthiez, Charles, 25 Lazareth Strasse, Neudorf, Strassburg, Alsace, Germany.

1891. Bertram, David Noble, Messrs. Bertrams, St. Katherine's Works, Sciennes, Edinburgh.

1891. Best, Francis Edward, 1 Swan Walk, Chelsea Embankment, London, S.W.

1899. Beswick, Frederick Arrowsmith, Manchester Steam Users' Association, 9 Mount Street, Manchester.

1893. Betts, Samuel, Locomotive Superintendent, Oxelösund-Fleu-Westmanlands Railway, Eskilstuna, Sweden.

1899. Beven, Alfred Nugent, Locomotive Superintendent, Junin Railway Co., Junin, Chile.

1891. Bevis, Alfred William, Head Organizer for Drawing and Hand and Eye Training to the Commissioners of National Education, Ireland: The Nest, 26 Sydney Avenue, Blackrock, Dublin.

1903. Bickerton, Henry Nield, Managing Director, National Gas Engine Co., Ashton-under-Lyne.

1885, Bicknell, Arthur Channing, Badminton Club, 100 Piccadilly, London, W.

1898. Bilbie, John, Messrs. Bilbie, Hobson and Co., 80 Queen Victoria Street, London, E.C.

1899. Biles, John Harvard, Professor of Naval Architecture, The University, Glasgow.

1897. Billetop, Torben Christian, Messrs. Henry Watson and Son, High Bridge Works, Newcastle-on-Tyne.

1887. Binnie, Sir Alexander Richardson, 9 Great George Street, Westminster, S.W.; and 77 Ladbroke Grove, Notting Hill, London, W.

1891. Bird, George, Messrs. James Bartle and Co., Western Iron Works, Notting Hill, London, W.

1897. Bird, William Hobart, Queen's Road, Coventry.

1880. Birkett, Herbert, Bank Chambers, 197 Edgware Road, London, W [*Frigerabat, London.*]

1903. Björnstad, Jörgen, Messrs. Easton and Anderson, 20 Tothill Street, Westminster, S.W.

1896. Black, Peter Blair, 185 Palmerston Buildings, Old Broad Street, London, E.C. [*Blackness, London.*]

1879. Black, William, 1 Lovaine Place, Newcastle-on-Tyne.

1891. Blackburn, Arthur Henry, Fuel Economizer Co., Matteawan, New York, United States.

1891. Blackburn, George William, Messrs. T. Green and Son, Smithfield Iron Works, Leeds.

1890. Blackburn, John, Resident Engineer, Colne Valley Water Works, Bushey, Watford.

1904. Blackith, Frederick, Victoria Chambers, Bowlalley Lane, Hull.

1898. Blackstone, Edward Christopher, Managing Director, Messrs. Blackstone and Co., Rutland Engineering Works, Stamford. [*Blackstones, Stamford.*]

1902. Blagden, Henry Robert Cecil, Chief Engineer, Alexandria Water Co., Alexandria, Egypt.

1901. Blake, Matthew, Messrs. Blake, Barclay and Co., Victoria Works, Greenock. [*Filter, Greenock.* 130.]

1905. Blakey, Robert Cope, Messrs. Clayton and Shuttleworth, III/2 Löwengasse 34, Vienna, Austria.

1901. Bland, Frederick, Manager, Yorkshire Steel and Engineering Works, Sheffield; and 6 Kenbourne Road, Sheffield.

1898. Blane, William, P.O. Box 2863, Johannesburg, Transvaal, South Africa.

1895. Blaxter, Augustus Pearce, Jun., Messrs. Barnett and Foster, Niagara Works, Eagle Wharf Road, New North Road, London, N.

1892. Blechynden, John, May Villa, Kungping Road, Shanghai, China.

1867. Bleckly, John James, Bewsey Iron Works, Warrington; and Daresbury Lodge, Altrincham.

1899. Blenkinsop, John Nicholas, Marine Superintendent Engineer, Great Eastern Railway, Parkeston Quay, Harwich.

1882. Blundstone, Samuel Richardson, 3 Ludgate Circus Buildings, London, E.C.

1902. Boak, William, Messrs. Delmye, Forsyth and Co., Colombo, Ceylon.

1902. Boardman, James, Engineering Director, Société de la Manufacture d'Indiennes Emile Zündel, Moscow, Russia.

1884. Bocquet, Harry Claude, General Manager, "La Capital" Traction and Electric Co. of Buenos Aires, 761 Avenida de Mayo, Buenos Aires, Argentine Republic.

1863. Boeddinghaus, Julius, Electrotechniker, Düsseldorf, Germany.

1902. Bollinckx, Arthur, Ateliers de Construction H. Bollinckx, 117 Chaussée de Mons, Brussels, Belgium. [*Bollinckx, Vapeur, Bruxelles.*]

1895. Bond, George Creswell, Mann's Chambers, Nottingham. [*Bonds, Nottingham.* 441.]

1884. Bone, William Lockhart, Works of the Ant and Bee, West Gorton, Manchester.

1902. Bonell, Thomas Henry Mahadoo, Locomotive, Carriage and Wagon Superintendent, Government Railways, Lagos, West Africa.

1901. Bonniwell, Percival Ormond, Chief Engineer, Law Accident Insurance Society, 215 Strand, London, W.C.

1895. Boorman, Joseph Ashworth, Messrs. Greenwood and Batley, Albion Works, Leeds.

1890. Booth, Robert, 110 Cannon Street, London, E.C. [*Crocus, London.* 1477 Central.]

1901. Borham, William Evans, Central Hotel, Bangalore, India.

1891. Boswell, Samuel, Messrs. Galloways, Knott Mill Iron Works, Manchester; and 82 Albert Grove, Longsight, Manchester.

1899. Bottomley, John William, Messrs. Thomas C. Fawcett and Co., White House Engineering Works, Leeds.

1888. Boulding, Sidney, Messrs. Green and Boulding, 28 New Bridge Street, London, E.C. [*Temperature, London.* 12455 Central.]

1886. Boult, Alfred Julius (*Life Member*), Messrs. Boult, Wade and Kilburn, 111 Hatton Garden, London, E.C. [*Boult, London.* Holborn 180.]

1878. Bourdon, François Edouard, 74 Faubourg du Temple, Paris: (or care of Messrs. Negretti and Zambra, Holborn Viaduct, London, E.C.)

1886. Bourne, Thomas Johnstone, Imperial Chinese Railways, Tientsin, China: (or care of Mrs. Bourne, 16 Park Road, Southborough, Tunbridge Wells.)

1891. Bousfield, John Ebenezer, 4 South Street, Finsbury, London, E.C. [*Invention, London.* 4492 Central.]

1880. Bow, William, Messrs. Bow McLachlan and Co., Thistle Engine Works, Paisley. [*Bow, Paisley.*]

1888. Bowen, Edward (*Life Member*), 45 and 46 Cobden Road, Brighton.

1903. Bower, William Nelson, Corn Exchange Buildings, Cathedral Street, Manchester.

1892. Bowker, Arthur F., Seal, Sevenoaks.

1899. Bowler, Thomas, Works Manager, Messrs. Kitson and Co., Airedale Foundry, Leeds.

1899. Bowman, Harold, Messrs. Stevenson and Co., Canal Foundry, Preston. [*Stevenson, Preston.*]

1890. Boyd, John White, Royal Insurance Buildings, 7 Royal Bank Place, Glasgow. [*Silent, Glasgow.*]

1882. Bradley, Frederic, Sandhills, Liverpool; Clensmore Foundry, Kidderminster; and Thornton Hall, Childer Thornton, near Chester.

1898. Bradley, Godfrey Thomas, care of the Colonial Secretary, Colombo, Ceylon.

1897. Bradley, James William, City Engineer and Surveyor, City of Westminster, Town Hall, Charing Cross Road, London, W.C.

1896. Bradney, Walter, Billiter Buildings, Billiter Street, London, E.C.

1897. Bradshaw, George Theobald Mathew, Locomotive and Resident Engineer, Ballycastle Railway, Ballymoney, Ireland.

1878. Braithwaite, Charles C., Boreham Wood Works, Elstree, Herts. [*Packing, Boreham Wood.*]

1875. Braithwaite, Richard Charles, Messrs. Braithwaite and Kirk, Crown Bridge Works, Westbromwich [*Braithwaite, Westbromwich.*]; and Holmwood, Solihull, Birmingham.

1900. Bramsdon, William Henry, Engineer Captain R.N., H.M. Fleet Reserve, Sheerness.

1885. Brearley, Benjamin J., Union Plate Glass Works, St. Helens; and Ansdell Road, Rainhill, Lancashire.

1900. Brearley, Frederick Thomas, Ansdell Road, Rainhill, Lancashire.

1900. Bremner, David Alexander, 682 Salisbury House, London Wall, London, E.C. [*Abrus, London.* 4440 Central.]

1891. Brewster, Edwin Henry George, 12 Dartmouth Street, Queen Anne's Gate, Westminster, S.W.

1887. Brier, Henry, Messrs. J. and E. Hall, Dartford; and 1 Miskin Road, Dartford.

1889. Briggs, Charles, care of Robert Briggs, Howden.

1898. Briggs, Herbert, P.O. Box 1976, Johannesburg, Transvaal, South Africa.

1881. Briggs, John Henry, Howden.

1895. Britten, Thomas Johnson, P.O. Box 494, Johannesburg, Transvaal, South Africa.

1891. Broadbent, William, Messrs. Thomas Broadbent and Sons, Central Iron Works, Huddersfield. [*Broadbent, Huddersfield.* 102.]

1865. Brock, Walter, Messrs. Denny and Co., Engine Works, Dumbarton. [*Lennox, Dumbarton.* 1 and 15.]

1896. Brocklehurst, George, Bridgetown, Barbados, West Indies.

1890. Brodie, John Alexander, City Engineer, Municipal Buildings, Liverpool.

1897. Brodrick, William Holborn, 37 Wellington Street, Hull.

1852. Brogden, Henry (*Life Member*), Hale Lodge, Altrincham, near Manchester.

1890. Brogden, Thomas, Messrs. Appleby and Brogden, Sussex Street, Scarborough.

1892. Bromiley, William J., Messrs. Dobson and Barlow, Kay Street Machine Works, Bolton; and Beech Hurst, Chorley New Road, Bolton.

1892. Bromly, Alfred Hammond, Messrs. Macaulay and Nicolls, Vancouver, British Columbia.

1892. Brooke, John Walter, Adrian Iron Works, Lowestoft. [*Brooke, Lowestoft.*]

1892. Brooke, Robert Grundy, Messrs. Holden and Brooke, Sirius Works, West Gorton, Manchester. [*Influx, Manchester.*]

1897. Brooks, Samuel Herbert (*Life Member*), Union Iron Works, West Gorton, Manchester.

1880. Brophy, Michael Mary, Messrs. James Slater and Co., 251 High Holborn, London, W.C.

1901. Browett, Thomas, Messrs. Browett, Lindley and Co., 6 Old Queen Street, Westminster, S.W.

1886. Brown, Andrew, 110 Cannon Street, London, E.C.; and Craigmore, Lewisham, London, S.E. [*Browpost, London.* Bank 8168.]

1866. Brown, Andrew Betts, F.R.S.E., Messrs. Brown Brothers and Co., Rosebank Iron Works, Edinburgh.

1891. Brown, Arthur Mogg, Lansdowne, The Avenue, Lincoln.

1885. Brown, Benjamin, Widnes Foundry, Widnes.

1880. Brown, Francis Robert Fountaine, Church House, Minchinhampton, Stroud, Glos.

1889. Brown, Captain Frederick Alexander William, 10 Denning Road, Hampstead Heath, London, N.W.

1881. Brown, George William, Trollhättan, Craven Road, Reading. [251.]

1904. Brown, Harold Henry Lane, Supervising Engineer, Lucknow, India.

1902. Brown, Henry, 4 Herne Hill Mansions, Herne Hill, London, S.E.

1902. Brown, James Clifford, Messrs. Rowland Carr and Co., 6 and 8 Lime Street Square, London, E.C. [*Smyrus, London.* 5726 Avenue.]

1892. Brown, J. Fiddes, Works Superintendent, Charing Cross and Strand Electricity Supply Corporation, 60 St. Martin's Lane, London, W.C.; and Ellerbie, 24 Morella Road, Wandsworth Common, London, S.W.

1884. Brown, Oswald, 32 Victoria Street, Westminster, S.W. [*Acqua, London.*]

1888. Brown, William, Messrs. W. Simons and Co., London Works, Renfrew.

1892. Brown, William, Messrs. Siemens Brothers and Co., Woolwich.

1902. Browne, Sir Benjamin Chapman, D.C.L., Chairman, Messrs. R. and W. Hawthorn, Leslie and Co., Forth Banks Works, Newcastle-on-Tyne. [*Locomotive, Newcastle-on-Tyne.*] (Former Member 1869–1884.)

1902. Browne, Benjamin Chapman, Jun., Messrs. R. and W. Hawthorn, Leslie and Co., Forth Banks Works, Newcastle-on-Tyne.

1874. Browne, Tomyns Reginald, Locomotive Superintendent, East Indian Railway, Jamalpur, Bengal, India.

1874. Bruce, Sir George Barclay, 3 Victoria Street, Westminster, S.W.

1889. Bruce, Robert, 77 Billiter Buildings, London, E.C. [*Tangential, London.*]

1895. Bruce, Robert Arthur, Messrs. Joshua Buckton and Co., Well House Foundry, Meadow Road, Leeds.

1892. Brunlees, John, 12 Victoria Street, Westminster, S.W. [Westminster 245.]

1887. Brunton, Philip George, Inspector of Ironwork, Public Works Department, Sydney, New South Wales.

1884. Bryan, William B., Engineer, East London Water Works, Lea Bridge, Clapton, London, N.E.

1902. Bryson, James, General Manager, Pumpherston Oil Works, Mid-Calder.

1899. Buchanan, James, Messrs. James Buchanan and Son, Caledonia Foundry and Engine Works, Brasenose Road, Liverpool. [*Buchanan, Liverpool.* Bootle 132.]

1901. Buckham, George Thomas, Messrs. Vickers, Sons and Maxim, 32 Victoria Street, Westminster, S.W.

1904. Buckley, Edwin William, Works Manager, Messrs. Mather and Platt, Park Works, Park, near Manchester.

1892. Buckley, John T., 36 Cleveland Road, Lytham, R.S.O., Lancashire.

1895. Buckley, Victor Emanuel, Managing Director, Lodz Sewing Thread Manufacturing Co., Lodz, Russian Poland.

1896. Buckwell, George William, Board of Trade Surveyors' Office, Barrow-in-Furness.

1878. Buddicom, Harry William, Penbedw, Nannerch, near Mold.

1886. Budenberg, Christian Frederick, Messrs. Schäffer and Budenberg, Whitworth Street, London Road, Manchester; and Somerville, Arkwright Road, Marple, Stockport. [*Manometer, Manchester.* 899.]

1882. Budge, Enrique, Engineer-in-Chief, Harbour Works, Valparaiso, Chile: (or care of Messrs. Rose-Innes Cox and Co., 4 Fenchurch Avenue, London, E.C.)

1881. Bulkley, Henry Wheeler, N.Y. Times Building, 41 Park Row, New York, United States.

1884. Bullock, Joseph Howell, Fairfield, Bescot Road, Walsall.

1892. Bulwer, Ernest Henry Earle, Manager, Hagerup-Doughty Ice Factory and Cold Storage Co., Robinson Street, Grimsby.

1891. Bumsted, Francis Dixon, Cannock Chase Foundry and Engine Works, Hednesford, near Stafford.

1884. Bunt, Thomas, 17 St. Ann's Square, Manchester. [*Buntine, Manchester.* 1837.]

1899. Burcham, Richard Edward, Manchester Steam Users' Association, 9 Mount Street, Manchester; and Richmond Terrace, Vine Street, Openshaw, Manchester.

1885. Burder, Walter Chapman, Messrs. Messenger and Co., Loughborough.

1878. Burnett, Robert Harvey, Messrs. Beyer Peacock and Co., Gorton Foundry, Manchester.

1878. Burrell, Charles, Jun., Messrs. Charles Burrell and Sons, St. Nicholas Works, Thetford. [*Burrell, Thetford.*]

1887. Burstal, Edward Kynaston, Messrs. Stevenson and Burstal, 38 Parliament Street, Westminster, S.W.

1896. Burstall, Frederic William, Professor of Engineering, The University, Birmingham.

1890. Burstall, Henry Robert John, Messrs. Burstall and Monkhouse, 14 Old Queen Street, Westminster, S.W. [*Instructed, London.* 771 Westminster.]

1898. Burt, George (*Life Member*), Messrs. John Mowlem and Co., 19 Grosvenor Road, London, S.W.

1884. Butcher, Joseph John, 195 West Brookline Street, Boston, United States.

1896. Butcher, Malcolm Henry, Messrs. F. A. Robinson and Co., 54 Old Broad Street, London, E.C.

1882. Butler, Edmund, Kirkstall Forge, near Leeds. [*Forge, Kirkstall.*]

1902. Butler, Edward, 129 Gleneldon Road, Streatham, London, S.W.

1892. Butler, Henry William, 4 North Terrace, Darlington.

1884. Butler, Hugh Myddleton, Kirkstall Forge, near Leeds.

1891. Butler, James, Victoria Iron Works, Halifax; and Longfield, Halifax.

1902. Butler, Josiah, Messrs. Baldwins, Swansea Hematite Iron and Steel Works, Landore, R.S.O., Glamorganshire.

1891. Butter, Henry Joseph, Messrs. Tannett Walker and Co., Leeds; and Claremont, Burrage Road, Plumstead.

1894. Butterworth, Joseph, Messrs. Lancaster and Tonge, Pendleton, Manchester; and Thorn Cottage, Pendlebury, Manchester.

2 1887. Caiger, Emery John, Messrs. E. J. Caiger and Co., 4 Lloyd's Avenue, Fenchurch Street, London, E.C. [*Caiger, London.*]

1886. Cairnes, Frederick Evelyn, Killester House, Raheny, S.O., Co. Dublin.

1900. Calastremé, John Carlos, Ada. Mayo 586, Buenos Aires, Argentine Republic.

1889. Callan, William, River Plate Fresh Meat Co., 2 Coleman Street, London, E.C.

1900. Calthrop, Everard Richard, 3 Crosby Square, Bishopsgate Street, London, E.C. [*Raillerais, London.*]

1886. Cambridge, Henry, Stuart Chambers, Mount Stuart Square, Cardiff.

1898. Cameron, John, Taff Vale Railway, Cardiff.

1903. Campbell, Alexander, Works Manager, Hunslet Engine Works, Leeds. [*Engine, Leeds.* 528.]

1877. Campbell, Angus, Logie, Mussoorie, N. W. Provinces, India.

1880. Campbell, Daniel, Messrs. Campbell, Macmaster and Co., 11 and 12 Clement's Lane, Lombard Street, London, E.C. [*Duke, London.* Avenue 2011.]; and 18 Algiers Road, Lewisham, London, S.E.

1898. Campbell, Hugh, Campbell Gas Engine Co., Kingston, Halifax. [*Camgas, Halifax.* 92.]

1869. Campbell, James, Hunslet Engine Works, Leeds. [*Engine, Leeds.* 528.]

1882. Campbell, John, Messrs. R. W. Deacon and Co., Kalimaas Works, Soerabaya, Java.

1899. Campbell, Robert Malcolm, 19 Klea Avenue, Clapham Common, London, S.W.

1892. Campbell, William Walker, Messrs. A. F. Craig and Co., Caledonia Engine Works, Paisley [*Machinery, Paisley.* 322.]; and Oakshawhead, Paisley.

1903. Camps, Harold Edward Joscelyn, 102 Fenchurch Street, London, E.C. [*Adiabatic, London.* 298 Avenue.]

1885. Capito, Charles Alfred Adolph, 5 Eardley Crescent, Earl's Court, London, S.W.

1892. Capper, David Sing, Professor of Mechanical Engineering, King's College, Strand, London, W.C.; and 17 Victoria Street, Westminster, S.W. [5255 *Westminster.*]

1898. Capron, Athol John, Green Oak, Totley, Sheffield.

1860. Carbutt, Sir Edward Hamer, Bart. (*Life Member*), 19 Hyde Park Gardens, London, W.; and Nanhurst, Cranleigh, Guildford.

1878. Cardew, Cornelius Edward, Locomotive and Carriage Superintendent, Burma Railways Co., Insein, Burma.

1875. Cardozo, Francisco Corrêa de Mesquita (*Life Member*), Messrs. Cardozo and Irmâo, Pernambuco Engine Works, Pernambuco, Brazil: (or care of Messrs. Fry Miers and Co., 8 Great Winchester Street, London, E.C.)

1892. Carnegie, David, Hadfield's Steel Foundry Co., East Hecla Works, Sheffield.

1901. Carnegie, William, Royal Laboratory, Royal Arsenal, Woolwich.

1899. Carnt, Edwin Charles, Messrs. J. Samuel White and Co., Cowes, Isle of Wight. [*White, East Cowes.* 3 A.]

1896. Carolin, Edward Marlay, Assistant Locomotive Superintendent, Central South African Railways, Johannesburg, Transvaal, South Africa.

1902. Carpenter, Charles Claude, Chief Engineer, South Metropolitan Gas Co., 709A Old Kent Road, London, S.E. [*Metrogas, London.*]

1895. Carr, Robert Alfred, Hotel Cosmopolite, Brussels, Belgium.

1903. Carr, Wilson Story, Collingwood Buildings, Newcastle-on-Tyne. [*Ecliptic, Newcastle-on-Tyne.* Nat. 2339. P.O. 102.]

1884. Carrick, Henry, Hall Garth, Coatham Mundeville, Darlington.

1903. Carruthers, Robert, Chief Superintendent Engineer, Bombay and Persia Steam Navigation Co., Bombay, India.

1885. Carter, Herbert Fuller, Apartado 830, Mexico D.F., Mexico: (or care of H. Maynard Carter, 79 Wool Exchange, Coleman Street, London, E.C.)

1877. Carter, William, General Manager, The Hydraulic Engineering Company, Chester.

1901. Cartwright, William, Works Manager, Messrs. William Heap and Co., Oldham Road Tool Works, Ashton-under-Lyne.

1888. Castle, Frank, Royal College of Science, Exhibition Road, South Kensington, London, S.W.

1891. Caswell, Samuel John, care of Miss E. A. Caswell, 39 Arundel Square, Barnsbury, London, N.

1892. Causer, William George, Brighton Villa, Handsworth, R.O., Birmingham.

1883. Cawley, George, 25 Victoria Street, Westminster, S.W. [*Conferring, London.* 26 Victoria.]

1892. Chadwick, Osbert, C.M.G., Crown Agents' Department, Colonial Office, Downing Street, London, S.W.; and 11 Airlie Gardens, Kensington, London, W.

1894. Chaffey, George, 226 Spring Street, Los Angeles, California, United States.

1876. Challen, Stephen William, Messrs. Taylor and Challen, Derwent Foundry, 60 and 62 Constitution Hill, Birmingham. [*Derwent, Birmingham.*]

1889. Challen, Walter Bernard, Messrs. Taylor and Challen, Derwent Foundry, 60 and 62 Constitution Hill, Birmingham.

1892. Chalmers, George, St. John del Rey Mining Co., Finsbury House, Blomfield Street, London, E.C.

1886. Chalmers, John Reid, 18 Hemingford Road, Barnsbury, London, N.

1901. Chamberlain, John, 47 Fordel Road, Catford, London, S.E. [Former Member 1884–1894.]

1897. Chambers, Edward John, Managing Director, Messrs. Bullers, Tipton.

1896. Chambers, Robert Martin, Messrs. Chambers and Co., Cuba Street, Belfast.

1900. Chambers, Thomas Hall Winsley, Messrs. Gjers, Mills and Co., Ayresome Iron Works, Middlesbrough.

1890. Chandler, Noel, Cannock Chase Foundry and Engine Works, Hednesford, near Stafford.

1888. Chapman, Arthur, 10 Holmdale Road, West Hampstead, London, N.W.

1866. Chapman, Henry, 69 Victoria Street, Westminster, S.W.; and 10 Rue Laffitte, Paris.

1898. Chapman, Leonard, 26 Victoria Street, Westminster, S.W.; and Runnymede, Hampton Wick, London, S.W.

1893. Charlesworth, Sheard, Messrs. S. Charlesworth and Co., Richmond Hill Iron Works, Oldham. [*Charlesworth, Engineers, Oldham.* 63.]

1903. Charlton, Francis James, Engineer Lieut. R.N., 36A Victoria Road, Kensington Palace, London, W.

1885. Charnock, George Frederick, Professor of Engineering, Technical College, Bradford.

1890. Chater, John Richard, Messrs. Henry Pooley and Son, 20 West Street, Gateshead. [*Pooley, Gateshead.* 246.]

1885. Chatfeild Clarke, Leslie, care of Hulburd Engineering Co., 150 Leadenhall Street, London, E.C.

1891. Chatterton, Alfred, Professor of Engineering, College of Engineering, Madras, India.

1887. Chatwin, James, Victoria Works, Great Tindal Street, Ladywood, Birmingham.

1890. Chatwood, Arthur Brunel, Lancashire Safe and Lock Works, Bolton; and The Withins, Breightmet, Bolton.

1867. Chatwood, Samuel, Lancashire Safe and Lock Works, Bolton; and High Lawn, Broad Oak Park, Worsley, near Manchester.

1898. Chatwood, Samuel Rawsthorne, Manager, Lancashire Safe and Lock Works, Bolton. [*Chatwoods, Bolton.* 333.]

1873. Cheesman, William Talbot, Hartlepool Rope Works, Hartlepool.

1903. Child, Harry Shaw, Assistant Locomotive Superintendent, Cape Government Railways, Uitenhage, Cape Colony.

1897. Childe, Henry Slade, Messrs. Childe and Rowand, Wakefield. [*Childe, Wakefield.* 33.]

1895. Chittenden, Edmund Barrow, New Barnes, West Malling, Kent.

1903. Chorlton, Alan Ernest Leofric, Works Manager, Messrs. Mather and Platt, Salford Iron Works, Manchester.

1899. Christie, Andrew, Mort's Dock and Engineering Co., Mort's Bay, Sydney, New South Wales.

1894. Churchward, George Jackson, Locomotive Superintendent, Great Western Railway, Swindon.

1896. Claremont, Ernest Alexander, Messrs. F. H. Royce and Co., Cooke Street, Hulme, Manchester. [*Switch, Manchester.* 772 and 3562.]

1891. Clark, Augustus, Bowman's Heirs, Pernambuco, Brazil.

1903. Clark, Edwin Kitson, Messrs. Kitson and Co., Airedale Foundry, Leeds.

1896. Clark, George, Southwick Engine Works, near Sunderland.

1899. Clark, George, Works Manager, Messrs. Bryan Donkin and Clench, 55 Southwark Park Road, Bermondsey, London, S.E.; and Elm Tree Villa, Spital, Chesterfield.

1899. Clark, Henry, Messrs. Head, Wrightson and Co., Stockton-on-Tees.

1904. Clark, Henry, Southwick Engine Works, near Sunderland. [*Clark, Sunderland.*]

1889. Clark, Thomas Alexander, Superintendent of Workshops, George Heriot's School, Edinburgh.

1896. Clark, Thomas Forster, Locomotive Superintendent, Metropolitan Railway, Neasden, London, N.W.

1893. Clarke, Edward Fuhrmann, Victoria Chambers, 5A Temple Row, Birmingham. [1788.]

1901. Clarke, George Granville, Messrs. Dick, Kerr and Co., Abchurch Yard, Cannon Street, London, E.C.

1894. Clarkson, Charles, 20 Macaulay Road, Birkby, Huddersfield.

1900. Clarkson, Edward Joseph, Messrs. Clarkson, Mole and Co., 128 George Street West, Sydney, New South Wales.

1898. Clarkson, James, Messrs. J. and P. Coats, 89 Wellington Street, Glasgow.

1891. Clarkson, Thomas, Moulsham Works, Chelmsford; and Jesmond, Southborough Road, Chelmsford.

1892. Clay, Charles Butler, National Telephone Co., Telephone House, Victoria Embankment, London, E.C.

1901. Clayton, James, Messrs. Samuel Courtauld and Co., Bocking, near Braintree.

1890. Cleaver, Arthur, Engineer, Nottingham Laundry Co., Sherwood, near Nottingham; and Pelham House, Sherwood Rise, Nottingham.

1890. Cleland, William, Sheffield Testing Works, Blonk Street, Sheffield.

1897. Clifford, Charles, Chief Mechanical Engineer, Great Northern Railway of Ireland, Dundalk.

1902. Clift, Clyde Ernest, Manager, Messrs. T. Middleton and Co., Loman Street, Southwark, London, S.E. [*Loman, London.* 597 Hop.]

1885. Clifton, George Bellamy, Great Western Railway Electric Light Works, 2A Bishop's Road, Paddington, London, W.

1901. Cloake, William Henry, Managing Director, Messrs. Thomas Green and Son, New Surrey Works, Southwark Street, London, S.E. [*Surrey Works, London.* 2022 Hop.]

1885. Close, John, York Engineering Works, Leeman Road, York.

1902. Cloud, John Wills, Westinghouse Brake Co., 82 York Road, King's Cross, London, N.

1885. Clutterbuck, Herbert, Engineers' Department, London County Council, Spring Gardens, London, S.W.

1904. Coates, Alfred, Manager, Whessoe Iron Foundry, Darlington.

1902. Coates, Victor Henry, 32 Ocean Buildings, Donegal Square East, Belfast.

1887. Cochrane, George, Resident Engineer, London Hydraulic Power Works, 46 Holland Street, Blackfriars Road, London, S.E.

1885. Cochrane, John, Grahamston Foundry and Engine Works, Barrhead, near Glasgow. [*Cochrane, Barrhead.*]

1869. Cochrane, Joseph Bramah, Woodside Iron Works, near Dudley.

1904. Cochrane, Captain Thomas Henry, R.E., Chattenden Barracks, near Rochester.

1864. Coddington, Sir William, Bart., M.P., Ordnance Cotton Mill, Blackburn; and Wycollar, Blackburn.

1889. Coey, Robert, Locomotive Engineer, Great Southern and Western Railway, Inchicore Works, near Dublin.

1898. Coker, Ernest George, D.Sc., F.R.S.E., Professor of Mechanical Engineering, City and Guilds of London Institute: Finsbury Technical College, Leonard Street, City Road, London, E.C.

1889. Colam, William Newby, 27 Rutland Square, Edinburgh. [*Colam, Edinburgh.* 1285.]

1892. Cole, Henry Aylwin Bevan, 50 Lime Street, London, E.C. [*Carbuncle, London.* 1750 Avenue.]

1878. Coles, Henry James, London Crane Works, Derby.

1901. Collet, Harold van Brienen, Hulburd Engineering Co., 150 Leadenhall Street, London, E.C. [*Unwavering, London.* Avenue 444.]

1900. Collinson, Arthur, Locomotive Department, North Eastern Railway, York.

1894. Collis, Alfred Edward, Municipal Technical School, Lincoln.

1884. Coltman, John Charles, Messrs. Huram Coltman and Son, Engineering Works, Meadow Lane, Loughborough.

1878. Colyer, Frederick, 41 Old Queen Street, Westminster, S.W.

1888. Combe, Abram, Messrs. Combe Barbour and Combe, Falls Foundry, Belfast.

1896. Conaty, George, Engineering Manager, Birmingham and Midland Tramways Joint Committee, Central House, New Street, Birmingham.

1902. Conner, James, General Manager, English Electric Manufacturing Co., Preston.

1888. Constantine, Ezekiel Grayson, 17 St. Ann's Square, Manchester. [*Constant, Manchester.*]

1886. Conyers, Sidney Ward, District Works Officer, Tumbarumba, New South Wales.

1874. Conyers, William, New Zealand Chambers, 483 Collins Street, Melbourne, Victoria.

1904. Cook, Alfred Bickersteth, Brush Electrical Engineering Co., Victoria Works, Belvedere Road, Lambeth, London, S.E.

1904. Cook, Elmer Elsworth, Brush Electrical Engineering Co., Falcon Works, Loughborough.

1888. Cook, John Joseph, Messrs. Robinson Cooks and Co., Atlas Foundry, St. Helens, Lancashire.

1902. Cook, Reuben James, Messrs. John I. Thornycroft and Co., Church Wharf, Chiswick, London, W.

1877. Cooper, Arthur, North Eastern Steel Co., Royal Exchange, Middlesbrough.

1898. Cooper, Henry, Hecla Works, Sheffield.

1891. Cooper, Myles, 36 Victoria Street, Manchester.

1892. Cooper, Thomas Lancelot Reed, 70 West Cumberland Street, Glasgow.

1874. Cooper, William, Neptune Engine Works, Hull. [*Neptune, Hull.*]

1881. Coote, Arthur, Messrs. R. and W. Hawthorn Leslie and Co., Hebburn, Newcastle-on-Tyne.

1900. Cope, Harry Charles, Messrs. Summerscales and Sons, Phœnix Foundry, Keighley.

1885. Coppée, Evence, 223 Avenue Louise, Bruxelles, Belgium.

1899. Copperthwaite, Ralph Atkinson, 10 Lorne Terrace, Coniscliffe Road, Darlington.

1901. Corbett, Alexander John, Managing Director, Straits Engineering Syndicate, Singapore, Straits Settlements.

1892. Corin, Philip Burne, Messrs. J. M. B. Corin and Son, Anchor Foundry, Penzance.

1902. Cormack, John Dewar, Professor of Mechanical Engineering, University College, Gower Street, London, W.C.

1895. Corner, John Frederick, Vulcan Boiler and General Insurance Co., 67 King Street, Manchester.

1895. Cornish, Edwin, Engineer Commander R.N., care of Messrs. John Brown and Co., Clydebank, Glasgow.

1904. Cornish, Lieut. Henry James, R.E., R.E. Office, Gibraltar.

1881. Cosser, Thomas, McLeod Road Iron Works, Karachi, India: (or care of Messrs. Ironside, Son and Co., 1 Gresham Buildings, Guildhall, London, E.C.)

1900. Cotton, Charles Cathrow Carne, Messrs. Yarrow and Co., Isle of Dogs, Poplar, London, E.

1896. Cottrell, Stephen Butler, Pacific Buildings, 31 James Street, Liverpool. [*Motor, Liverpool.* Central 5460.]

1894. Cottrill, John Ormerod, Bee Hive Works, Bolton.

1895. Couper, Sinclair, Messrs. Lindsay Burnet and Co., Moore Park Boiler Works, Govan, Glasgow. [*Burnet, Glasgow.* South Side 1513.]

1878. Courtney, Frank Stuart, 25 Victoria Street, Westminster, S.W.; and 38 Croxted Road, Dulwich, London, S.E. [*Escourre, Westminster.* 39 Westminster.]

1899. Coveney, William Charles, Superintendent Engineer, Municipal Pumping Station, Singapore, Straits Settlements.

1902. Cowan, Percy John, 10 Buckingham Street, Strand, London, W.C.

1896. Cowdell, Henry Charles, Cradley Boiler Works, Cradley Heath, S.O., Staffordshire. [*Boiler, Cradley Heath.*]

1893. Cowell, John Ray, P.O. Box 2141, Johannesburg, Transvaal, South Africa.

1875. Cowen, Edward Samuel, Messrs. G. R. Cowen and Co., Beck Works, Brook Street, Nottingham; and 9 The Ropewalk, Nottingham. [*Cowen, Nottingham.* 87.]

1898. Cowen, George Roberts, 9 The Ropewalk, Nottingham. (Former Member 1870–1888.)

1898. Cowens, William Edward, Works Manager, Messrs. John Abbot and Co., Park Works, Gateshead.

1892. Cowper-Coles, Sherard Osborn, Grosvenor Mansions, Victoria Street, Westminster, S.W. [*Zincking, London.*]

1888. Cox, Herbert Henry, 22 Florence Terrace, Falmouth.

1897. Cox, Job, Birmingham Corporation Baths and Parks Departments, Kent Street, Birmingham. [994.]

1896. Craig, Alexander, Messrs. A. and G. Craig, Queen's Quay and Boating Club Road, Londonderry.

1899. Craven, John Alfred, Darnall Railway Carriage, Wagon, and Wheel Works, Sheffield.

1866. Craven, William, Messrs. Craven Brothers, Vauxhall Iron Works, Osborne Street, Manchester. [*Vauxhall, Manchester.* 659.]

1894. Craven, William H. S., Messrs. Craven Brothers, Vauxhall Iron Works, Osborne Street, Manchester. [*Vauxhall, Manchester.* 659.]

1901. Crawford, Joseph, 2 Exchange Street, Manchester. [*Clinker, Manchester.* 46.]

1897. Crawford, Walter William, 23 Northumberland Avenue, London, W.C. [7229 Gerrard.]

1898. Crewe, Henry Thomas, 17 Sunning Hill Road, Lewisham, London, S.E.

1889. Cribb, Frederick James, Messrs. Marshall Sons and Co., Britannia Iron Works, Gainsborough.

1893. Crippin, Thomas Henry, 105 Rosemeath Road, Urmston, Manchester.

1897. Critchley, James Sidney, 45 Great Marlborough Street, Regent Street, London, W.

1904. Crocker, John, Royal Naval Engineering College, Devonport.

1903. Croft, Frederick Lister, Messrs. Croft and Perkins, Great Northern Works, Leeds Road, Bradford. [*Pulleys, Bradford.* 349.]

1883. Croft, Henry, M.P., Chemanns, Vancouver Island.

1899. Crofts, John Charles Thruston, 20 Woodlawn Avenue, Toronto, Canada.

1878. Crohn, Frederick William, 14 Burney Street, Greenwich, London, S.E.

1877. Crompton, Lt.-Colonel Rookes Evelyn Bell, C.B., Arc Works, Chelmsford; and Salisbury House, London Wall, London, E.C. [*Crompton, Chelmsford.*]

1898. Cronin, Richard, Locomotive Superintendent, Dublin, Wicklow and Wexford Railway, Upper Grand Canal Street, Dublin.

1881. Crosland, James Foyell Lovelock, Chief Engineer, Vulcan Boiler and General Insurance Co., 67 King Street, Manchester.

1891. Crosland, Joseph, Messrs. Seebohm and Dieckstahl, Dannemora Steel Works, Sheffield; and Stanley Avenue, Birkdale, Southport.

1875. Crossley, William John, Messrs. Crossley Brothers, Great Marlborough Street, Manchester. [*Crossleys, Openshaw.*]

1900. Crosta, Lorenzo William, Clifton House, Musters Road, West Bridgford, Nottingham.

1882. Cruickshank, William Douglass, 3 Ewenton Street, Balmain, Sydney, New South Wales.

1898. Cruttwell, George Edward Wilson, 21 Delahay Street, Westminster, S.W. [*Consilium, London.* Westminster 24.]

1892. Cryer, Arthur, 10 Penywain Place, Roath Park, Cardiff.

1898. Cullen, Peter John, Messrs. Henry Simon, 333 Kent Street, Sydney, New South Wales.

1889. Cullen, William Hart, Castner-Kellner Alkali Co., Weston Point, Runcorn.

1901. Cunliffe, Richard William, Messrs. Cunliffe and Croom, Broughton Iron Works, Manchester. [*Lathe, Manchester.* 1886.]

1901. Cunningham, Hugh, Works Manager, Messrs. Samuelson and Co., Britannia Iron Works, Banbury.

1903. Cusack, Henry Edward, Locomotive Carriage and Wagon Superintendent, Midland Great Western Railway of Ireland, Broadstone Station, Dublin.

1900. Cutler, Arthur Edward, Public Works Department, Sydney, New South Wales.

1887. Cutler, George Benjamin, Messrs. Samuel Cutler and Sons, Providence Iron Works, Millwall, London, E.; and 10 St. John's Park, Blackheath, London, S.E. [*Cutler, Millwall.* Eastern 59.]

1876. Cutler, Samuel, Messrs. Samuel Cutler and Sons, Providence Iron Works, Millwall, London, E. [*Cutler, Millwall.* Eastern 59.]

1891. Cutler, Samuel, Jun., Messrs. Samuel Cutler and Sons, Providence Iron Works, Millwall, London, E. [*Cutler, Millwall.* Eastern 59.]

1888. Dadabhoy, Cursetjee, Messrs. Shapurji Sorabji and Co., Bombay Foundry and Engine Works, Khetwady, Bombay, India; and Cumbala Hill, Bombay, India.

1894. Dadina, Hormuz Minocher, Messrs. St. Paul and Dadina, Graham's Buildings, Bombay, India.

1891. Daglish, Harry Bolton, Messrs. Robert Daglish and Co., St. Helens Engine and Boiler Works, St. Helens, Lancashire.

1895. Daintree, Thomas Ekins, Rand Club, Johannesburg, Transvaal, South Africa.

1883. D'Albert, Charles, Société des Anciens Établissements Hotchkiss et Cie., 6 Route de Gonesse, St. Denis, Seine, France.

1890. Dalby, William Ernest, Professor of Engineering, City and Guilds of London Central Technical College, Exhibition Road, London, S.W.

1902. Dale, John, General Manager, Sunderland Forge and Engineering Co., Sunderland.

1889. Dalgarno, James Robert, 454 Great Western Road, Aberdeen.

1893. Dall, John, Messrs. Lamport and Holt, Fulton Street Works, Liverpool.

1881. D'Alton, Patrick Walter, Messrs. Dick, Kerr and Co., Abchurch Yard, Cannon Street, London, E.C.

1902. Dame, John Malvern, Messrs. Graham and Co., Calcutta, India.

1899. Dan, Takuma, Mitsui Mining Co., 1 Suruga-cho, Nihombashi-ku, Tokyo, Japan.

1899. Dania, George, 110 Cannon Street, London, E.C.

1866. Daniel, Edward Freer, Messrs. Worthington and Co., The Brewery, Burton-on-Trent; and 89 Derby Street, Burton-on-Trent.

1866. Daniel, William, Messrs. John Fowler and Co., Steam Plough and Locomotive Works, Leeds; and Menston, Leeds.

1903. Daniels, George, Oakdene, Hyde Road, Gorton, Manchester.

1888. Darbishire, James Edward, 25 Victoria Street, Westminster, S.W. [*Escourre, London.* 39 Westminster.]

1902. Darling, John William, Messrs. Darling and Sellers, Airedale Works, Keighley.

1878. Darwin, Horace, F.R.S. (*Life Member*), The Orchard, Huntingdon Road, Cambridge.

1873. Davey, Henry, 3 Princes Street, Westminster, S.W.; and Conaways, Ewell, Surrey. [*Subterranean, London.*]

1890. Davidson, Albert, 139 Norfolk Street, Sheffield.

1896. Davidson, John McKenzie, General Contractor, Karachi, India.

1888. Davidson, Samuel Cleland, Sirocco Works, Bridge End, Belfast. [*Sirocco, Belfast.* 327.]

1904. Davidson, William, District Locomotive Superintendent, Bombay Baroda and Central India Railway, Ajmere, India.

1897. Davies, Edmund Joseph, Messrs. Ransomes, Sims and Jefferies, Orwell Works, Ipswich.

1891. Davies, John Hubert, Messrs. Hubert Davies and Spain, P.O. Box 1386, Johannesburg, Transvaal, South Africa.

1904. Davies, Sidney, Chief Engineer, Messrs. Hayward Tyler and Co., Luton.

1877. Davison, John Walter, Senior Inspector of Steam Boilers, Old Custom House, Fort, Bombay, India: (or care of Mrs. Channon, 97 Shirland Road, Maida Vale, London, W.)

1884. Davison, Robert, Locomotive Department, Caledonian Railway, St. Rollox, Glasgow; and 4 Edgefauld Terrace, Springburn, Glasgow.

1892. Davy, William James, 3 Crown Court, Old Broad Street, London, E.C. [*Management, London.* Avenue 152.]

1901. Dawson, Lieut. Arthur Trevor, late R.N., Messrs. Vickers, Sons and Maxim, 32 Victoria Street, Westminster, S.W.

1875. Dawson, Edward, 23 Park Place, Cardiff. [*Mechanical, Cardiff.*]

1896. Dawson, Philip, 29 Great George Street, Westminster, S.W.

1896. Day, Charles, General Manager, The Mirrlees Watson Co., Scotland Street, Glasgow.

1890. Day, George Cameron, Quenington Court, Quenington, Fairford, S.O., Gloucestershire.

1886. Dayson, William Ogden, Blaenavon Works, Blaenavon, R.S.O., Monmouthshire.

1874. Deacon, George Frederick, LL.D., Great George Street Chambers, 16 Great George Street, Westminster, S.W.

1880. Deacon, Richard William, Yorkshire Machine Tool and Engineering Works, Liversedge, R.S.O., Yorks.

1894. Deakin, Benjamin Walter, British Insulated Wire Co., 65 Queen Street, Melbourne, Victoria.

1903. Deakin, Walter, Messrs. H. W. Ward and Co., Lionel Street, Birmingham.

1900. Dean, Frederic William Charles, Royal Ordnance Factory, Royal Arsenal, Woolwich.

1903. Dean, Joseph, General Manager, Messrs. J. W. Knowles and Co., Globe Works, Bradford. [*Machines, Bradford.* 2132.]

1868. Dean, William, 10 Terlingham Gardens, Folkestone.

1899. Deas, James, Water and Sanitary Engineer, Municipal Offices, Warrington.

1900. Deeble, William Rufus, Locomotive Superintendent, Tasmanian Government Railways, Launceston, Tasmania.

1890. Deeley, Richard Mountford, Locomotive Superintendent, Midland Railway, Derby; and Melbourne House, Osmaston Road, Derby.

1889. Defries, Wolf, Messrs. Defries and Sons, 147 Houndsditch, London, E. [*Defries, London.*]

1901. Dellwik, Carl, Dellwik-Fleischer Water-Gas Syndicate, 25 Victoria Street, Westminster, S.W.

1904. De Mattos, Joseph Hilbert, Managing Director, Messrs. Eddison and De Mattos, Dorchester. [*Eddison, Dorchester.* 20.]

1900. Denham, John, Electrician, Electric Light Department, Cape Government Railways, Cape Town, Cape Colony.

1882. Denison, Samuel, Messrs. Samuel Denison and Son, Hunslet Foundry, Leeds. [*Weigh, Leeds.* Central 1238.]

1892. Dennis, George D., 26 Newton Road, Bayswater, London, W.

1900. Denny, John, British Corporation for the Survey and Registry of Shipping, Fremantle, Western Australia.

1888. Dent, Charles Hastings, General Manager, Great Southern and Western Railway, Island Bridge, Dublin.

1898. De Ritter, Walter Henry, 33 Three Colt Street, Limehouse, London, E. [*Deritter, London.* Eastern 664.]

1903. Dewar, James McKie, 4 Lloyd's Avenue, Fenchurch Street, London, E.C.

1895. Dewhurst, John Henry, Messrs. John Dewhurst and Son, Attercliffe Road, Sheffield. [1614.]

1899. Dewrance, John, 165 Great Dover Street, London, S.E.; and Cranmore Place, Chislehurst.

1883. Dick, Frank Wesley, Park Gate Iron and Steel Works, Rotherham.

1891. Dick, John Norman, Senior Government Marine Surveyor, Singapore, Straits Settlements.

1903. Dicken, Robert Christian John, 38 Mill Hill Road, Acton, London, W.

1890. Dickinson, Alfred, Telephone Buildings, Birmingham. [*Traction, Birmingham.* 1823.]

1894. Dickinson, Harold, Manager, Electric Lighting Department, Whitehall Road, Leeds. [*Electricity, Leeds.* Central 1013.]

1891. Dickinson, James Clark, Palmer's Hill Engine Works, Sunderland.

1880. Dickinson, John, Palmer's Hill Engine Works, Sunderland. [*Bede, Sunderland.*]

1892. Dickinson, Richard Henry, Locomotive Superintendent, Birmingham Central Tramways, Kyotts Lake Depôt, Birmingham.

1886. Dixon, Robert, The Poplars, Great Sankey, Warrington.

1898. Dixon, Walter, 59 Bath Street, Glasgow; and 30 Kelvinside Gardens, Kelvinside, Glasgow. [*Fresco, Glasgow.* 3656.]

1897. Dixon, Walter Frank, Kompanaya Singer, Podolsk, Moscow Government, Russia.

1887. Dixon, William Basil, Chief Manager, Hong Kong and Whampoa Dock Co., Hong Kong, China.

1896. Dobson, Adam, 8 Balmoral Buildings, 44 Wellington Place, Belfast.

1899. Dobson, Sydney Thornton, Chief Engineer, St. James's and Pall Mall Electric Light Co., 19 Carnaby Street, Golden Square, London, W. [*Fulleresco, London.* Gerrard 5082.]

1880. Dodd, John, Messrs. Platt Brothers and Co., Hartford Iron Works, Oldham.

1868. Dodman, Alfred, Highgate Foundry, King's Lynn. [*Dodman, Lynn.*]

1889. Dolby, Ernest Richard, Messrs. Dolby and Williamson, 8 Princes Street, Westminster, S.W. [782 Victoria.]

1898. Donald, David Boswell, Messrs. A. and F. Manuelle, 57 Gracechurch Street, London, E.C. [*Feldspar, London.*]

1898. Donaldson, Hay Frederick, Chief Superintendent, Ordnance Factories, Royal Arsenal, Woolwich; and Wood Lodge, Shooter's Hill, Kent.

1903. Donaldson, Peter, 96–98 Leadenhall Street, London, E.C.

1904. Donaldson, Thornycroft, Messrs. John I. Thornycroft and Co., Church Wharf, Chiswick, London, W.

1895. Donkin, Harry Julyan, Messrs. Bryan Donkin and Clench, Parliament Mansions, Victoria Street, Westminster, S.W.

1902. Donohue, Major William Edward, A.S.C., Inspector of Mechanical Transport, Aldershot; and St. Ives, South Farnborough, Farnborough.

1891. Donovan, Edward Wynne, Messrs. Donovan and Co., Broughton Bridge Iron Works, Salford, Manchester. [*Dazzle, Manchester.* 3404.]

1896. Dorman, William Sansom, Works Manager, Gloucester Wagon Works, Gloucester; and Bishopstone House, Gloucester.

1865. Douglas, Charles Prattman (*Life Member*), Thornbeck Hill, Carmel Road, Darlington.

1903. Douglas, George Cameron, 41 Reform Street, Dundee. [01960.]

1900. Douglas, James McDonald, Messrs. G. Findlay and Co., 10 Spin Street, Cape Town, Cape Colony.

1898. Douglas, William James, 141 Fenchurch Street, London, E.C. [*Blockading, London.*]

1891. Douglass, William James, Messrs. Douglass Brothers, Globe Iron Works, Blaydon-on-Tyne, R.S.O., County Durham.

1887. Douglass, William Tregarthen, 15 Victoria Street, Westminster, S.W.

1857. Dove, George, Messrs. Cowans, Sheldon and Co., St. Nicholas Engine and Iron Works, Carlisle; and Viewfield, Stanwix, near Carlisle. [*St. Nicholas, Carlisle.*]

1873. Dove, George, Redbourn Hill Iron and Coal Co., Frodingham, near Doncaster [*Redbourn, Frodingham.*]; and Hodroyd Hall, near Barnsley.

1903. Dove, John Charles, Messrs. Cowans, Sheldon and Co., St. Nicholas Works, Carlisle. [*St. Nicholas, Carlisle.*]

1900. Dow, James William, Carriage and Wagon Department, North Eastern Railway, York.

1881. Dowson, Joseph Emerson, 39 Victoria Street, Westminster, S.W. [*Gaseous, London.*]

1880. Doxford, Robert Pile, Messrs. William Doxford and Sons, Pallion Shipbuilding and Engine Works, Sunderland.

1874. Dredge, James, C.M.G., 35 Bedford Street, Strand, London, W.C. [Gerrard 3663.]

1899. Drew, Alexander, 14 Talbot House, St. Martin's Lane, London, W.C.

1895. Dronsfield, James, Messrs. Dronsfield Brothers, Atlas Works, Oldham.

1896. Dronsfield, William, Brookhurst, Alexandra Park, Oldham.

1886. Drummond, Dugald, Locomotive Engineer, London and South Western Railway, Nine Elms, London, S.W.

1898. Drummond, George William, Glasgow Railway Engineering Co., 13 Victoria Street, Westminster, S.W. [*Azabra, London.*]

1898. Drummond, Peter, Locomotive Superintendent, Highland Railway, Inverness.

1899. Drummond, Walter, Glasgow Railway Engineering Co., Govan, Glasgow.

1900. Dryden, Albert, H.M. Mint, Calcutta, India: (or care of Messrs. Grindlay and Co., 55 Parliament Street, Westminster, S.W.)

1896. Dryden, Thomas, Grimshaw Street Foundry, Preston. [36.]

1885. Duckering, Charles, Water Side Works, Rosemary Lane, Lincoln.

1900. Dudin, Henry William, Messrs. Yarrow and Co., Isle of Dogs, Poplar, London, E.

1901. Duff, Edward James, 51 South John Street, Liverpool. [*Apparatus, Liverpool.* 7765.]

1868. Dugard, William Henry, Messrs. Dugard Brothers, Vulcan Rolling Mills, Bridge Street West, Summer Lane, Birmingham. [*Vulcan, Birmingham.*]

1886. Duncan, Norman, Mechanical Engineer to the Municipality, Rangoon, British Burmah, India.

1895. Duncan, William, Locomotive Department, Cape Government Railways, Naauwpoort, Cape Colony.

1894. Dunell, George Robert, 36 Bedford Street, Strand, London, W.C.; and 33 Spencer Road, Grove Park, Chiswick, London, W.

1898. Dunkerley, Stanley, Professor of Applied Mechanics, Royal Naval College, Greenwich, London, S.E.

1892. Dunlop, James, Messrs. Thomas Dunlop and Co., 25 Wellington Street, Glasgow.

1900. Dunlop, Peter, 70 Grove Road, Clapham Park, London, S.W.

1899. Dunn, Andrew Macfarlane, Works Manager, Messrs. J. and P. Coats, Ferguslie Thread Works, Paisley.

1890. Dunn, Hugh Shaw, Engineer, Caprington Collieries, Kilmarnock.

1901. Dunn, James, Messrs. Vickers, Sons and Maxim, Naval Construction Works, Barrow-in-Furness.

1895. Dunn, Matthew, Corporation Gas Works, Stockton-on-Tees.

1899. Durston, Engineer Rear Admiral Sir Albert John, K.C.B., Engineer-in-Chief of the Fleet, Admiralty, Whitehall, London, S.W.; and 4 Westcombe Park Road, Blackheath, London, S.E.

1886. Duvall, Charles Anthony, The Limes, Great Milton, Wallingford.

1904. Dykes, Arthur John, Locomotive Carriage and Wagon Superintendent, Mauritius Government Railways, Central Railway Station, Port Louis, Mauritius.

1865. Dyson, Robert, Messrs. Owen and Dyson, Rother Iron Works, Rotherham.

1904. Eager, John, Locomotive Superintendent, Burry Port and Gwendraeth Valley Railway and Docks, Burry Port, R.S.O., Carmarthenshire.

1880. Eager, John Edward, Messrs. William Crichton and Co., Engineering and Shipbuilding Works, Abo, Finland.

1858. Easton, Edward, 7 Victoria Street, Westminster, S.W. [Westminster 49.]

1884. Eastwood, Charles, 15 Curzon Road, Southport.

1892. Eastwood, Thomas Carline, Messrs. Eastwood Swingler and Co., Victoria and Railway Iron Works, Derby. [*Swingler, Derby.*]

1904. Eastwood, William, Messrs. Stevensons, Canal Foundry, Preston.

1888. Eaton-Shore, George, Borough Engineer, Temple Chambers, Crewe.

1896. Eborall, Cornelius Willes, District Locomotive Superintendent, East Indian Railway, Jamalpur, India.

1897. Echevarri, Juan Thomas Wood, British Aluminium Co., 9 Victoria Street, Westminster, S.W.

1878. Eckart, William Roberts, Room 4, Nevada Block, San Francisco; and 3014 Clay Street, San Francisco, California, United States.

1886. Ede, Francis Joseph, Messrs. Ede Brothers, Silchar, Cachar, India.

1892. Edgcome, James Edmund, Borough Electrical Engineer, Kingston-on-Thames.

1883. Edmiston, James Brown, Marine Superintending Engineer, Messrs. Hamilton Fraser and Co., K Exchange Buildings, Liverpool; and Ivy Cottage, Highfield Road, Walton, Liverpool.

1903. Edmonds, Captain Richard James, A.O.D., Inspector of Ordnance Machinery, 22 North Bridge, Edinburgh.

1900. Edwards, Albert Edward Alexander, Messrs. Edwards and Shaw, 105 Colmore Row, Birmingham. [10 X.]

1877. Edwards, Frederick, 62 Bishopsgate Street Within, London, E.C.

1891. Edwards, Herbert Francis, Messrs. Forster, Brown and Rees, Guildhall Chambers, Cardiff.

1885. Edwards, Walter Cleeve, Public Works Department, Cape Town, Cape Colony.

1896. Ekin, Tom Charles, 21 Old Queen Street, Westminster, S.W.

1899. Elford, Ernest John, Borough Surveyor, Southend-on-Sea.

1888. Ellery, Henry George, 7 Fernbank Road, Redland, Bristol.

1875. Ellington, Edward Bayzand, Palace Chambers, 9 Bridge Street, Westminster, S.W.

1892. Elliott, Archibald Campbell, D.Sc., Professor of Engineering, University College of South Wales and Monmouthshire, Cardiff.

1895. Elliott, George, 131 Limestone Road, Belfast.

1901. Ellis, Arthur, Engineer and Manager, Cardiff Corporation Electric Lighting and Tramway Departments, Town Hall, Cardiff.

1895. Ellis, Arthur Devonshire, Managing Director, Messrs. Thwaites Brothers, Vulcan Iron Works, Bradford.

1898. Ellis, Jesse, Invicta Works, St. Peter Street, Maidstone. [*Jesse Ellis, Maidstone.* 2.]

1901. Ellis, Reginald Eaton, Messrs. Mewburn, Ellis and Pryor, 70 and 72 Chancery Lane, London, W.C. [*Patent, London.* Holborn 243.]

1896. Ellis, William Frederick Wood, 34 Strand, London, W.C. [*Carezzare, London.*]

1900. Elmer, Joseph John, Works Manager, Westinghouse Brake Co., 82 York Road, King's Cross, London, N.; and Ethelmar House, Waverley Road, Crouch End, London, N.

1902. Elphinstone, George Keith Buller, Messrs. Elliott Brothers, Century Works, Lewisham, London, S.E.

1897. Elsworth, John Francis, Les Huileries, Alexandria, Egypt.

1885. Elsworthy, Edward Houtson, Messrs. Richardson and Cruddas, Byculla Iron Works, Bombay, India; and Byculla Club, Bombay, India.

1878. Elwin, Charles, London County Council, Spring Gardens, London, S.W.

1890. English, Lt.-Colonel Thomas, Hawley, near Dartford.

1894. English, Thomas Matthew, Mint Master, H. H. The Nizam's Mint, Hyderabad, Deccan, India.

1894. Ennor, Charles John, 55 Rua da Reboleira, Oporto, Portugal.

1897. Epton, William Martin, Government Inspector of Machinery, Mines Department, Winchester House, Johannesburg, Transvaal, South Africa.

1901. Erichsen, Frederik Ole, Messrs. Simpson and Co., 101 Grosvenor Road, Pimlico, London, S.W.

1890. Esson, John, Chatteris Engineering Works, Chatteris, S.O., Cambridgeshire.

1901. Esson, John, 104–107 Fetter Lane, London, E.C. [*Essons, London.* Holborn 1064.]

1884. Etherington, John, 39A King William Street, London Bridge, London, E.C.

1884. Evans, David, Cliffden, Saltburn-by-the-Sea.

1887. Everitt, Nevill Henry, Messrs. Thomas Piggott and Co., Atlas Works, Birmingham; and Swains House, Bembridge, S.O., Isle of Wight.

1897. Evers, Joseph Henry, General Manager, Messrs. Manning, Wardle and Co., Boyne Engine Works, Hunslet, Leeds. [*Manning, Leeds.*]

1894. Ewen, John Taylor, F.R.S.E., H.M. Inspector of Schools (Science and Art) for the Northern Division of Scotland; 104 King's Gate, Aberdeen.

1881. Ewen, Thomas Buttwell, Messrs. Ewen and Mitton, Smithfield Works, Sherlock Street, Birmingham.

1891. Ewing, James Alfred, LL.D., F.R.S., Director of Naval Education, Royal Naval College, Greenwich, London, S.E.

1890. Exton, George Gaskell, Messrs. Chubb and Son, 128 Queen Victoria Street, London, E.C.

1880. Farcot, Paul, Messrs. Farcot and Sons, Engine Works, 17 Avenue de la Gare, St. Ouen, France.

1881. Farrar, Sidney Howard, 54 Old Broad Street, London, E.C.

1900. Feak, William Mark, Fleet Engineer R.N. (Retired), Mill House, Blackheath, London, S.E.

1901. Fedden, Samuel Edgar, Chief Engineer and Manager, Sheffield Corporation Electric Supply Department, Commercial Street, Sheffield.

1882. Feeny, Victor Isidore, 60 Queen Victoria Street, London, E.C. [*Victor Feeny, London.*]

1899. Feetham, Mark, London Electric Supply Corporation, Stowage Wharf, Deptford, London, S.E.

1901. Fell, Aubrey Llewellyn Coventry, Chief Officer, London County Council Tramways, 303 Camberwell New Road, London, S.E. [1230 Hop.]

1876. Fell, John Corry, Messrs. Fell and James, 1 Queen Victoria Street, London, E.C. [*Lodestone, London.* 317 Bank.]

1892. Fenwick, James, 19 Bridge Street, Sydney, New South Wales. [1038.]

1881. Ferguson, William, Harbour Board, Wellington, New Zealand.

1896. Ferguson, William Deeble, 3 Mount Delphi, Antrim Road, Belfast.

1900. Ferranti, Sebastian Ziani de, Hollinwood, Manchester; and Ingleside, Lyndhurst Road, Hampstead, London, N.W.

1866. Fiddes, Walter, 2 Queen's Avenue, Tyndall's Park, Bristol.

1867. Field, Edward, 4 Trafalgar Square, London, W.C.

1888. Field, Howard, 38 Mincing Lane, London, E.C.

1884. Fielden, Joseph Petrie, Park House, Rochdale.

1874. Fielding, John, Messrs. Fielding and Platt, Atlas Iron Works, Gloucester. [*Atlas, Gloucester.*]

1891. Finlayson, Finlay, Atlas Works, Airdrie.

1902. Finlayson, Richard Wilson, Messrs. H. P. Gregory and Co., 74 Clarence Street, Sydney, New South Wales.

1899. Firth, Ambrose, Messrs. Walker, Eaton and Co., Wicker Iron Works, Sheffield. [*Founder, Sheffield.* 373.]

1897. Fish, Sylvester Robert, Messrs. F. Street and Co., Palacio da Flôr da Murta, 156 Rua do Poço dos Negros 158, Lisbon, Portugal.

1889. Fisher, Henry Bedwell, Marine Shops, London Brighton and South Coast Railway, Newhaven, Sussex.

1884. Fisher, Henry Oakden, Ty Mynydd, Radyr, near Cardiff.

1897. Fisher, Pearson, 13 Dunolly Gardens, Ibrox, Glasgow.

1888. FitzGerald, Maurice Frederick, Professor of Engineering, Queen's College, Belfast.

1902. Fitzmaurice, Maurice, C.M.G., Chief Engineer, London County Council, Spring Gardens, London, S.W.

1877. Flannery, Sir James Fortescue, Bart., M.P., 9 Fenchurch Street, London, E.C. [Avenue 338.]

1903. Fletcher, James Ashton, Messrs. Fletcher Brothers, Borough Brass and Iron Works, Ashton-under-Lyne. [*Fletcher, Ashton-under-Lyne.* 45.]

1898. Fletcher, William, Messrs. Clayton and Shuttleworth, Stamp End Works, Lincoln.

1902. Fletcher, William, Co-operative Wholesale Society, Blandford Street, Newcastle-on-Tyne.

1901. Flindt, Ernest Just, Morel's Chambers, Cardiff. [*Shaft, Cardiff.*]

1903. Flockton, Benjamin Percy, Messrs. Thomas Bradford and Co., Crescent Iron Works, Salford, Manchester.

1892. Focken, Charles Frederick, care of Institute of Engineers and Shipbuilders, Hong Kong, China.

1902. Foggo, Watson, Pomona, Lincoln.

1899. Footner, Harry, St. David's, Berkhamsted.

1882. Forbes, David Moncur, Engineer, H. M. Mint, Bombay.

1895. Forbes, George Chichester, Locomotive Superintendent, Federated Malay States Railways, Kuala Lumpor, Malay Peninsula.

1882. Forbes, William George Loudon Stuart, Mechanical Superintendent, H. M. Mint, Calcutta.

1899. Ford, Thomas Wharton, Palace Chambers, 9 Bridge Street, Westminster, S.W.

1899. Ford-Moore, Arthur Pilcher, 9 Lammas Park Gardens, Ealing, London, W.

1892. Forrest, Hilary Sheldon, General Manager, Messrs. Dobson and Barlow, Kay Street Machine Works, Bolton.

1902. Forrest, Peter, Messrs. Price and Reeves, 15 Great George Street, Westminster, S.W.

1888. Forster, Alfred Llewellyn, Engineer, Newcastle and Gateshead Water Works, Newcastle-on-Tyne.

1889. Foster, Herbert Anderton (*Life Member*), Messrs. John Foster and Son, Black Dike Spinning Mills, Queensbury, near Bradford.

1888. Foster, James, 42 Herriet Street, Pollokshields, Glasgow.

1884. Foster, John Slater, Messrs. Jones and Foster, 39 Bloomsbury Street, Birmingham.

1882. Fothergill, John Reed, Consulting Engineer, Dock Office, West Hartlepool; and 1 Bathgate Terrace, West Hartlepool.

1885. Fourny, Hector Foster, Dock Office Chambers, New Cross Street, Hull. [*Veritas, Hull.* 414.]

1900. Fowler, Alexander Farquharson, 3 Cook Street, Liverpool.

1866. Fowler, George, Basford Hall, near Nottingham.

1896. Fowler, Henry, Locomotive Department, Midland Railway, Derby.

1898. Fowler, Percy Merwood, P.O. Box 1876, Johannesburg, Transvaal, South Africa.

1894. Fowler, Robert Henry, Messrs. John Fowler and Co., Steam Plough and Locomotive Works, Leeds. [*Fowler, Leeds.*]

1885. Fowler, William Henry, 53 New Bailey Street, Manchester; and Manor Avenue, Urmston, Manchester.

1900. Fox, Charles Heyland, Broad Street House, Old Broad Street, London, E.C.

1866. Fox, Sir Douglas, 28 Victoria Street, Westminster, S.W.

1899. Fox, Henry Shoolbred, Manager, Messrs. G. J. Worssam and Son, Wenlock Road, City Road, London, N. [*Massrow, London.* King's Cross 677.]

1901. Fox, William, Mechanical Engineer to the Manchester Ship Canal Co., 41 Spring Gardens, Manchester. [688 and 1077.]

1884. Frampton, Edwin, General Engine and Boiler Co., Hatcham Iron Works, Pomeroy Street, New Cross Road, London, S.E. [*Oxygen, London.*]

1885. Franki, James Peter, Mort's Dock and Engineering Co., Mort's Bay, Sydney, New South Wales: (or care of Messrs. Goldsbrough Mort and Co., 149 Leadenhall Street, London, E.C.)

1902. Franklin, Edward Stanley, Chief Electrical Engineer, Bengal-Nagpur Railway, Khargpur, Midnapur, Bengal, India.

1904. Fraser, Harry John, Messrs. John Fraser and Son, Millwall Boiler Works, Millwall, London, E. [*Highpressure, London.* 71 Eastern.]

1877. Fraser, John Hazell, Messrs. John Fraser and Son, Millwall Boiler Works, London, E.; and 110 Cannon Street, London, E.C. [*Highpressure, London.* 71 Eastern.]

1899. Fraser, Patrick, Messrs. Douglas Fraser and Sons, Westburn Foundry, Arbroath.

1900. Fujii, Terugoro, Imperial Japanese Navy, 8 Nottingham Place, London, W. [*Marineria, London.* 1841 Mayfair.]

1891. Fuller, Charles Frederick, 223 Temple Chambers, Temple Avenue, London, E.C.

1897. Furness, Charles, Borough Electrical and Tramway Engineer, Electricity Department, Blackpool.

1890. Gadd, William, District Locomotive Superintendent, Great Southern and Western Railway, Limerick.

1898. Gandy, Frederick, Staveley Coal and Iron Co., Chesterfield.

1884. Ganga Ram, Rai Bahadur, C.I.E., Executive Engineer, Public Works Department, Amritsar, Punjaub, India: (or care of Messrs. Thomas Wilson and Co., 10 and 12 Eastcheap, London, E.C.)

1899. Gardner, William, Vauxhall Iron Works Co., 45 Leadenhall Street, London, E.C. [*Wellhole, London.* Avenue 800.]

1891. Garrard, Charles Riley, Clement Talbot Ltd., St. Quintin's Park, London, W.; and 12 St. Charles Square, North Kensington, London, W.

1899. Garrard, George Mingay, Broseley, Shropshire.

1902. Garratt, Herbert William, Resident Engineer, Ferro Carriles de Lima, Callao, Peru.

1882. Garrett, Frank, Messrs. Richard Garrett and Sons, Leiston Works, Leiston, R.S.O., Suffolk. [*Garrett, Leiston.*]

1898. Gass, John, Engineer's Office, The Tower Bridge, 9 Horselydown Lane, London, S.E.

1894. Gatehouse, Tom Ernest, 4 Ludgate Hill, London, E.C. [*Ageekay, London.* Holborn 933.]

1888. Gaze, Edward Henry James, 4 Victoria Drive, Mount Florida, Glasgow.

1895. Geach, Frederick Samuel, Wigan Coal and Iron Works, Wigan.

1901. Gearing, Ernest George, General Manager, Leeds Forge, Leeds.

1902. Gebbie, John, Messrs. Howarth, Erskine and Co., Singapore, Straits Settlements.

1888. Geddes, Christopher, 2A Drury Buildings, Water Street, Liverpool. [*Graccius, Liverpool.*]

1903. Gelling, John Welsby, Apartado 593, Mexico City, Mexico.

1880. Geoghegan, Samuel, Consulting Engineer to Messrs. A. Guinness Son and Co., St. James' Gate Brewery, Dublin; and The Grove, Killiney, Co. Dublin.

1896. German, Walter Hussey, Colonial Sugar Refining Co., O'Connell Street, Sydney, New South Wales.

1887. Gibb, Andrew, Messrs. Rait and Gardiner, 155 Fenchurch Street, London, E.C.; and Garthland, Westcombe Park Road, Blackheath, London, S.E.

1871. Gibbins, Richard Cadbury, Berkley Street, Birmingham. [*Gibbins, Birmingham.*]

1904. Gibbons, William Frederick, Locomotive Superintendent, Beira and Mashonaland Railway, P.O. Box 131, Umtali, Rhodesia, South Africa.

1901. Gibbons, William Gregory, Messrs. Brown Brothers and Co., Rosebank Iron Works, Edinburgh.

1902. Gibbs, George James, Bamber Bridge, Lancashire.

1901. Gibbs, John Henry, Britannia Iron Works, Observatory, Cape Town, Cape Colony.

1899. Gibson-Sugars, John Sugars, Engineer Commander R.N., H.M.S. "Vernon," Portsmouth.

1883. Gilchrist, Percy Carlyle, F.R.S. (*Life Member*), Frognal Bank, Finchley Road, Hampstead, London, N.W.

1898. Giles, Benjamin, Divisional Superintendent, Great Western Railway, Newton Abbot.

1900. Gilling, Arthur Hewitt, care of Messrs. Mitrovich Brothers, Old Castle Buildings, Preeson's Row, Liverpool.

1884. Gimson, Arthur James, Messrs. Gimson and Co., Engine Works, Vulcan Street, Leicester. [*Gimson, Leicester.* 6.]

1881. Girdwood, William Wallace, 24 Plashet Road, Upton Manor, London, E.

1896. Glasgow, Arthur Graham (*Life Member*), Messrs. Humphreys and Glasgow, 38 Victoria Street, Westminster, S.W.

1898. Glen, David Corse, Messrs. Matheson and Co., 3 Lombard Street, London, E.C.

1880. Godfrey, William Bernard, 23 St. Swithin's Lane, London, E.C.

1888. Goff, John, Messrs. Salt and Co., The Brewery, Burton-on-Trent.

1882. Goldsmith, Alfred Joseph, Lillington, Moray Street, New Farm, Brisbane, Queensland.

1877. Goodbody, Robert, Messrs. Goodbody, Clashawaun Jute Factory, Clara, near Moate, Ireland.

1875. Goodfellow, George Ben, Aspenshaw, Birch Vale, Stockport.

1901. Goodier, Frank, Caixa Postal 392, São Paulo, Brazil.

1890. Goodman, John, Professor of Engineering, The University, Leeds.

1899. Goodwin, Albert Beecham, Artillery Mansions, 75 Victoria Street, Westminster, S.W.

1889. Goold, William Tom, Tuthill House, Lydney.

1887. Gordon, Alexander, 23 Victoria Street, Westminster, S.W. [*Niliacus, London.*]

1901. Gordon, Alexander Grant, Marine Superintendent, China Manilla Steamship Co., Hong Kong, China; and care of Messrs. Shewan, Tomes and Co., Hong Kong, China.

1878. Grafton, Alexander, Vulcan Works, Bedford. [*Grafton, Bedford.*]

1902. Graham, Charles Knott, care of Messrs. R. M. Alexander and Co., 24 Coleman Street, London, E.C.

1898. Graham, Hubert Berger, The Croft, Chantry Road, Moseley, Birmingham.

1901. Graham, Jesse, Thorn Field, Newlay, Leeds.

1894. Graham, Maurice, Messrs. Graham, Morton and Co., Pepper Road, Hunslet, Leeds.

1896. Graham, Robert, Ponce, Porto Rico.

1900. Graham, William Vaux, 5 Queen Anne's Gate, Westminster, S.W. [*Grallator, London.* Westminster 656.]

1904. Grange, Robert Burns, care of C. A. MacDonald, Hercules Refrigeration, 63 Pitt Street, Sydney, New South Wales.

1900. Grant, Lewis, Messrs. Douglas and Grant, Dunnikier Foundry, Kirkcaldy. [*Douglas, Kirkcaldy.* 105.]

1886. Grant, Percy, Assistant Locomotive, Carriage, and Wagon Superintendent, Ferro Carril del Sud, Estacion Los Talleres, Buenos Aires, Argentine Republic.

1895. Grant, Thomas Maxwell, 17 Clarence Drive, Hyndland, Glasgow.

1896. Gray, Alexander Cuthill, Assistant Locomotive Superintendent, Rio Grande do Sul Railway, Rio Grande do Sul, Brazil.

1891. Gray, George Macfarlane (*Life Member*), Board of Trade Surveyors' Office, Cork.

1865. Gray, John Macfarlane, 4 Ladbroke Crescent, Notting Hill, London, W.

1879. Gray, Thomas Lowe (*Life Member*), Lloyd's Register, 71 Fenchurch Street, London, E.C.; and 24 St. Michael's Road, Stockwell, London, S.W.

1900. Greaven, Andrew Augustine, Works Manager, Sola Works, Ferro Carril del Sud, Buenos Aires, Argentine Republic.

1898. Greaven, Louis, Locomotive and Car Superintendent, National Railway of Tehuantepec, Rincon Antonio, Mexico: (or care of F. Nolan, 17 Beach, Queenstown, Co. Cork.)

1902. Greaves, William, Vincent Machine Works, Gelderd Road, Leeds; and 15 Park Row, Leeds. [02847.]

1861. Green, Sir Edward, Bart., Messrs. E. Green and Son, Phœnix Works, Wakefield.

1903. Green, Edward William, Managing Director, Messrs. R. and H. Green, Blackwall Yard, Blackwall, London, E. [*Green, Blackwall, London.* 203 Eastern.]

1901. Green, Thomas, Messrs. Steel, Peech and Tozer, The Ickles, Rotherham.

1898. Green, Thomas Willoughby, Messrs. Thomas Green and Son, Smithfield Iron Works, Leeds. [*Smithfield, Leeds.* Central 158.]

1893. Green, William Penrose, Messrs. Thomas Green and Son, Smithfield Iron Works, Leeds. [*Smithfield, Leeds.* Central 158.]

1901. Greenhill, Thomas Arthur, Santa Teresa 9, Madrid, Spain.

1895. Greensmith, James Eades, Mason Machine Works, Taunton, Massachusetts, United States.

1878. Greenwood, Arthur, Messrs. Greenwood and Batley, Albion Works, Leeds.

1874. Greenwood, William Henry (*Life Member*), Birmingham Metal and Munitions Co., Adderley Park Mills, Birmingham.

1894. Gregory, Horace Mark, Messrs. Brown, Lenox and Co., 9 Martin's Lane, Cannon Street, London, E.C.; and Ynysynghard, Pontypridd.

1892. Gresham, Harry Edward, Messrs. Gresham and Craven, Craven Iron Works, Salford, Manchester. [*Brake, Manchester.* 613.]

1880. Gresham, James, Messrs. Gresham and Craven, Craven Iron Works, Salford, Manchester. [*Brake, Manchester.* 613.]

1883. Grew, Frederick, 63 Burnt Ash Hill, Lee, London, S.E.

1895. Griffith, Percy, 54 Parliament Street, Westminster, S.W.

1895. Griffiths, Harry Denis, P.O. Box 2146, Johannesburg, Transvaal, South Africa.

1873. Griffiths, John Alfred, Patent Office, Melbourne, Victoria.

1900. Griffiths, William John, General Manager, Messrs. McKenzie and Holland, Semaphore Iron Works, Newport, Melbourne, Victoria.

1889. Grimshaw, James Walter, Resident Engineer, Harbours and Rivers Department, Sydney, New South Wales; and Australian Club, Sydney, New South Wales.

1891. Groom, Richard Alfred, Shropshire Works, Wellington, Salop.

1879. Grose, Arthur, Messrs. Grose Norman and Co., Reliance Works, Northampton.

1886. Grove, David, 24 Friedrich Strasse, Berlin.

1898. Grover, Frederick, Forgrove Machinery Co., Admiral Street, Dewsbury Road, Leeds. [*Forgrove, Leeds.* 743.]

1903. Grunwell, Hartley, Manager, Isles Ltd., Steam Crane Works, Stanningley, Leeds. [*c/o Isles, Stanningley.* 45 Stanningley.]

1898. Guest, Charles Henry, General Manager, Messrs. R. W. Webb, Draycott, near Derby. [*Tyre, Draycott.* 1632.]

1900. Guest, James John, Cornwall Buildings, Newmarket Street, Birmingham.

1884. Gulland, James Ker, Diamond Drill Co., 8 Victoria Street, Westminster, S.W. [*Gulland, London.*]

1870. Gwynne, James Eglinton Anderson (*Life Member*), Folkington, Polegate, R.S.O., Sussex.

1870. Gwynne, John, Hammersmith Iron Works, Hammersmith, London, W.; and 81 Cannon Street, London, E.C. [*Gwynne, London.*]

1902. Haarer, Ernest Du Chaillu, The Hydraulic Engineering Co., 19 Oldhall Street, Liverpool. [6057.]

1904. Haden, William Nelson, Messrs. G. N. Haden and Sons, St. George's Works, Trowbridge. [*Haden, Trowbridge.* 2.]

1888. Hadfield, Robert Abbott, Hecla Foundry Steel Works, Sheffield. [*Hadfield, Sheffield.*]

1902. Haggie, Robert Hood, Jun., 69 Rose Hill Street, Derby.

1895. Haines, Charles James, Southampton Water Works, Otterbourne, near Winchester.

1900. Halcomb, Sydney Broughton, Messrs. Sanderson Brothers and Co., Sheffield. [*Sanderson, Sheffield.* 69.]

1897. Haldane, John Wilton Cuninghame, 65 Antrim Mansions, England's Lane, Hampstead, London, N.W.

1894. Hall, Henry Platt, Messrs. Platt Brothers and Co., Hartford New Works, Oldham.

1881. Hall, John Percy, Carville, Lawrie Park Road, Sydenham, London, S.E.

1882. Hall, John Willim, 71 Temple Row, Birmingham.

1903. Hall, Joseph, Executive Engineer, Municipal Offices, Bombay, India.

1903. Hall, Joshua, Messrs. R. Hall and Son, Kingston Mills, Hyde.

1890. Hall, Oscar Standring, Messrs. Robert Hall and Sons, Hope Foundry, Bury, Lancashire; and Park Cottage, Bury, Lancashire.

1874. Hall, Thomas Bernard, Messrs. T. Bernard Hall and Jones, 119 Colmore Row, Birmingham; and Ingleside, Sandon Road, Edgbaston, Birmingham. [*Tamar, Birmingham.*]

1900. Hall, William Brasier, Engineer Lieut. R.N., H.M.S. "Albion," China Station.

1871. Hall, William Silver, 3 Mitsu Bishi Building, Yayesucho, Tokyo, Japan; (or care of Messrs. Takata and Co., 88 Bishopsgate Street Within, London, E.C.) [*Silverhall, Tokyo.*]

1889. Hall-Brown, Ebenezer, Messrs. A. Rodger and Co., St. Helen's Engine Works, Govan, Glasgow. [*Triple, Glasgow.*]

1880. Hallett, John Harry, 123 Bute Street, Cardiff. [*Consulting, Cardiff.*]

1871. Halpin, Druitt, 17 Victoria Street, Westminster, S.W. [*Halpin, London.* 880 Victoria.]

1898. Halstead, Arthur Frederick, Gorton Villa, Allenhays Road, Salcombe, R.S.O., Devon.

1895. Halstead, John Henry, La Administracion, Ferro Carril Central del Uruguay, Monte Video, Uruguay: (or 24 Alma Road, Birkdale, Southport.)

1900. Hambly, John, Messrs. Hambly and Mangold, P.O. Box 336, Port Elizabeth, South Africa.

1894. Hamer, Walter, Rosebank, Scarisbrick Street, Southport.

1903. Hamilton, George Claude, Messrs. Taylor Brothers and Co., Clarence Iron and Steel Works, Leeds.

1904. Hamilton, John, Engineer Lieut. R.N., Controller's Department, Admiralty, Whitehall, London, S.W.

1894. Hamilton, Robert, 32 Raffles Place, Singapore, Straits Settlements.

1904. Hamilton, William David, 59 Bath Street, Glasgow. [3973.]

1899. Hammond, Robert, 64 Victoria Street, Westminster, S.W. [*Hammond, London.* Westminster 495.]

1875. Hammond, Walter John, The Grange, Knockholt, near Sevenoaks.

1886. Hanbury, John James, Edgeley, 141 Walm Lane, Cricklewood, London, N.W.

1899. Hancock, Samuel, Eastern Extension Telegraph Co., Singapore, Straits Settlements.

1896. Handyside, Charles Baird, Messrs. Holmes and Co., Examiner Buildings, Manchester.

1891. Harcourt, Otto Simon Henry, Clarence Iron Works, Leeds.

1902. Hardcastle, Edward, Bradford Dyers' Association, Bradford; and Moor View, Menston-in-Wharfedale, Yorks.

1894. Harding, James Cooper, Messrs. Workman, Clark and Co., Belfast.

1881. Hardingham, George Gatton Melhuish, Clun House, Surrey Street, London, W.C. [*Hardingham, London.*]

1903. Hardisty, John, 3 Irnham Avenue, Longsight, Manchester.

1883. Hardy, John George, 13 Riemergasse, Stadt, Vienna.

1869. Harfield, William Horatio, Arundel House, Thames Embankment, London, W.C. [*Harfield, London.*]

1887. Hargraves, Richard, 4 Richmond Terrace, Blackburn.

1888. Harker, William, Messrs. Richard Schram and Co., Cannon Street House, London, E.C. [*Schram, London.*]

1898. Harlock, Edward Baker, Messrs. Brunner, Mond and Co., Middlewich.

1894. Harmer, Oscar, Messrs. Alfred Herbert and Co., Coventry; and Dalhousie, Spencer Park, Coventry.

1899. Harrap, George Thomas, 5 Budge Row, Cannon Street, London, E.C.

1891. Harris, Gordon, Messrs. Merryweather and Sons, Fire-Engine Works, Greenwich Road, London, S.E.

1879. Harris, Henry Graham, Messrs. Bramwell and Harris, 5 Great George Street, Westminster, S.W. [*Wellbram, London.* Westminster 60.]

1900. Harris, Lloyd Price, 156 Crofton Park Road, Brockley, London, S.E.

1873. Harris, Richard Henry (*Life Member*), Oak Hill, Surbiton, R.O., near Kingston-on-Thames.

1902. Harris, William, Marine Engineer, Great Western Railway, Paddington, London, W.

1877. Harris, William Wallington, 89 Lincoln Road, Peterborough.

1898. Harrison, Frank, Messrs. Marshall, Sons and Co., 99 Clive Street, Calcutta, India.

1885. Harrison, Frederick Henry, Lincoln Malleable Iron Works, Lincoln. [*Malleable, Lincoln.*]

1888. Harrison, George, Messrs. D. Young and Co., 11 and 12 Southampton Buildings, London, W.C. [*Junkring, London.* Holborn 893.]

1889. Harrison, Major Gilbert Harwood, R.E., R.E. Committee Office, Brompton Barracks, Chatham.

1885. Harrison, Joseph, Royal College of Science, Exhibition Road, South Kensington, London, S.W.

1891. Harrison, Joseph Hutchinson, Messrs. Howson and Harrison, 2 Exchange Place, Middlesbrough; and Clifford Villa, Coatham, Redcar.

1887. Harrison, Thomas Henry, Messrs. Davey Paxman and Co., 78 Queen Victoria Street, London, E.C.

1894. Harrison, William John, Locomotive Superintendent, Cia. Paulista, Rio Claro, São Paulo, Brazil; and 44 Bournemouth Road, Folkestone.

1890. Harrison, William Robert, 21 Scale Lane, Hull. [*Arbitrate, Hull.* 375.]

1883. Hart, Frederick, 36 Prospect Street, Poughkeepsie, New York, United States.

1901. Hartley, William Archbold, Messrs. Charles Cammell and Co., Cyclops Steel and Iron Works, Sheffield.

1872. Hartnell, Wilson, Volt Works, Leeds. [*Hartnell, Leeds.* 282.]

1892. Harvey, Francis Haniel, Messrs. Harvey and Co., Hayle Foundry, Hayle, Cornwall.

1883. Harvey, Sir Robert, 1 Palace Gate, London, W.

1897. Harvey, Robert, Chairman, Harvey Engineering Co., 27 Mincing Lane, London, E.C.

1878. Harwood, Robert, Soho Iron Works, Bolton.

1881. Haslam, Sir Alfred Seale, M.P., Union Foundry, Derby. [*Zero, Derby.*]

1898. Haslam, William Gilbert, Union Foundry, Derby.

1902. Haswell, Frederick John, Hull Hydraulic Power Co., Machell Street, Hull.

1899. Hatch, William Thomas, Engineer-in-Chief, Metropolitan Asylums Board, Victoria Embankment, London, E.C.

1900. Hattersley, Robert Lund, Woodsend Works, Flixton, near Manchester.

1885. Hatton, Robert James, Henley's Telegraph Works, North Woolwich, London, E.

1892. Hawkins, Rupert Skelton, Locomotive and Carriage Superintendent, Assam and Bengal Railway, Pahartali P.O., Chittagong, India.

1861. Hawkins, William Bailey, 39 Lombard Street, London, E.C.

1901. Hawks, Nicholas Swanson, Ridge House, Brampton, Cumberland.

1870. Hawksley, Charles, 30 Great George Street, Westminster, S.W.

1891. Hawksley, George William, Brightside Boiler and Engine Works, Savile Street East, Sheffield. [*Hawksley, Sheffield.* 327.]

1900. Hawksley, Kenneth Phipson, 30 Great George Street, Westminster, S.W.

1882. Hayes, Edward, Watling Works, Stony Stratford. [*Hayes, Stony Stratford.*]

1879. Hayes, John, 11 Church Street, Carnarvon.

1902. Hayward, Thomas William Alfred, Borough Surveyor, Battersea Borough Council, Municipal Buildings, Lavender Hill, Battersea, London, S.W.

1885. Head, Archibald Potter, Messrs. Jeremiah Head and Son, 47 Victoria Street, Westminster, S.W. [*Principium, London.* Westminster 237]; and Queen's Square, Middlesbrough.

1888. Head, Harold Ellershaw, 57 Wynnstay Gardens, Kensington, London, W.

1903. Heald, James Arthur, Mechanical Engineer Superintendent, Cardiff Rollingstock Works, East Moors, Cardiff.

1857. Healey, Edward Charles, 33 Norfolk Street, Strand, London, W.C.

1890. Heap, Ray Douglas Theodore, Royal Arsenal, Woolwich.

1872. Heap, William, 28 Chapel Street, Liverpool. [*Metal, Liverpool.* Central 809.]

1898. Hearson, Hugh Reginald, 1 The Bund, Shanghai, China.

1898. Heath, Ashton Marler, Office of the Crown Agents for the Colonies, Whitehall Gardens, London, S.W.

1899. Heath, Elijah Arthur, Messrs. Dick, Kerr and Co., Abchurch Yard, Cannon Street, London, E.C.

1889. Heath, George Wilson, Messrs. Heath and Co., Observatory Works, Crayford, Kent.

1888. Heatly, Harry, Messrs. Heatly and Gresham, 110 Cannon Street, London, E.C.; and The Hoo, Hitchin.

1897. Heaton, Charles, Brades Steel Works, near Birmingham. [*Brades, Birmingham.*]

1899. Hedley, Robert, 3 Summerhill Grove, Newcastle-on-Tyne.

1875. Heenan, Hammersley, Messrs. Heenan and Froude, Newton Heath Iron Works, near Manchester; and The Manor House, Wilmslow, near Manchester. [*Spherical, Newton Heath.* 966 A.]

1895. Heinke, Edwin Harry Alfred, care of Miss F. Heinke, 6 Downleaze, Stoke Bishop, near Bristol.

1879. Hele-Shaw, Henry Selby, LL.D., F.R.S., Principal, Transvaal Technical Institute, P.O. Box 3572, Johannesburg, Transvaal, South Africa.

1901. Helme, Edward Tyas, Low Moor Iron Works, near Bradford.

1879. Henriques, Cecil Quixam, Messrs. John H. Wilson and Co., 15 Victoria Street, Westminster, S.W. [*Drague, London.*]

1904. Henry, Hubert Decimus, Calle Necochea 655, Buenos Aires, Argentine Republic.

1875. Hepburn, George, Redcross Chambers, Redcross Street, Liverpool. [*Hepburn, Liverpool.*]

1900. Hepworth, John William, Messrs. Alcock, Ashdown and Co., Bombay, India.

1892. Herbert, Alfred, Machine-Tool Works, Coventry; and Fieldgate Lane, Kenilworth. [*Lathe, Coventry.* 52.]

1893. Herbert, Charles, 35 Queen Victoria Street, London, E.C. [*Mancunian, London.*]

1893. Herbert, George Henry, Messrs. Richard Hornsby and Sons, 75A Queen Victoria Street, London, E.C.

1894. Herman, Benjamin Richard, Messrs. B. R. Herman and Co., McLeod Road, Karachi, India. [*Herman, Karachi.* 47.]

1884. Hernu, Arthur Henry, 69 Victoria Street, Westminster, S.W.

1894. Herriot, William Scott, 19 Kier Street, Pollokshields, Glasgow.

1884. Hervey, Matthew Wilson, East Bilney Hall, East Dereham.

1879. Hesketh, Everard, Messrs. J. and E. Hall, Iron Works, Dartford. [*Hesketh, Dartford.*]

1897. Hetherington, Edward Palmer, Messrs. John Hetherington and Sons, Vulcan Works, Pollard Street, Manchester.

1872. Hewlett, Alfred, Haseley Manor, Warwick.

1885. Hicken, Thomas, Messrs. Agar, Cross and Co., 136 Calle Defensa, Buenos Aires, Argentine Republic: (or care of Miss Hicken, Bourton, near Rugby.)

1896. Higby, Robert George, Sitarampur, Bengal, India.

1894. Higginbottom, Lloyd, Messrs. Higginbottom and Mannock, Crown Iron Works, West Gorton, Manchester.

1902. Hignett, Arthur Holland, Engineer-in-Chief, Messrs. A. Guinness Son and Co., St. James' Gate Brewery, Dublin.

1879. Higson, Jacob, Crown Buildings, 18 Booth Street, Manchester.

1903. Hildred, Charles William, Messrs. R. Waygood and Co., Falmouth Road, Great Dover Street, London, S.E.

1902. Hildreth, William Augustus, Messrs. Alfred Herbert, Coventry.

1901. Hill, Alfred John, Manager, Locomotive, Carriage and Wagon Works, Great Eastern Railway, Stratford, London, E.

1902. Hill, Edmund Lewin, General Manager, South Wales Electrical Power Distribution Co., Royal Chambers, Queen Street, Cardiff.

1883. Hill, John Kershaw, Engineer and Manager, West Surrey Water Works, High Street, Walton-on-Thames.

1901. Hill, Joseph, St. George's Engineering Works, Wood's Lane, Derby. [*Hill, Derby.* 227.]

1885. Hill, Robert Anderson, 14 Third Avenue, Hove, Sussex.

1900. Hill, Walter Scott, Steamers and Boats Department, care of War Office, Cairo, Egypt.

1890. Hiller, Edward George, Chief Engineer, National Boiler Insurance Co., 22 St. Ann's Square, Manchester.

1882. Hiller, Henry, Consulting Engineer, National Boiler Insurance Co., 22 St. Ann's Square, Manchester; and Athelney, Stanley Road, Alexandra Park, Manchester.

1899. Hiller, Henry King, Engineer, Gas Company, Shanghai, China.

1898. Hipkins, William Edward, Managing Director, Messrs. James Watt and Co., Soho Foundry, Smethwick, Birmingham.

1897. Hiraoka, Hiroshi, Hiraoka Engineering Works, Honjo, Tokyo, Japan. [*Herocar, Tokyo.*]

1897. Hirst, James, City Electrical Engineer, Electric Light Station, Sydney Street, Newcastle, New South Wales.

1896. Hitchcock, Cyril, 32 Clapham Mansions, London, S.W.

1899. Hitchins, Charles Faunce, 25 Victoria Street, Westminster, S.W.; and Junior Constitutional Club, Piccadilly, London, W.

1898. Hobbs, Charles James, Hydraulic Engineering Co., 9 Bridge Street, Westminster, S.W.

1900. Hobson, John Edward, Oaklands, Cheadle, Cheshire.

1891. Hodge, Arthur, Institution of Mining and Metallurgy, 722 Salisbury House, London Wall, London, E.C.

1891. Hodges, Frank Grattidge, care of A. W. Allen, Accountant's Office, Midland Railway, Derby.

1897. Hodges, Frank William, Vauxhall Iron Works, Wandsworth Road, London, S.W.; and Alma, Balaclava Road, Surbiton.

1896. Hodges, Marcus Henry, Messrs. Hodges Brothers, City Basin Iron Works, Exeter.

1880. Hodgson, Charles, Messrs. Saxby and Farmer, 53 Victoria Street, Westminster, S.W. [*Signalmen, London.* 285 Westminster.]

1901. Hodgson, Ealey, Mansion House Chambers, 20 Bucklersbury, London, E.C. [*Torquated, London.* 8374 Bank.]

1889. Hodgson, George Herbert, Frizinghall Works, Bradford.

1892. Hodgson, Henry Edwin, Brookhouse Iron Works, Clockheaton, S.O., Yorkshire.

1900. Hodgson, William, Messrs. Hodgson and Stead, Egerton Iron Works, Windsor Street, Salford, Manchester. [*Weighing, Manchester.* 1461.]

1891. Hogarth, Thomas Oswald, Great Western Railway Works, Saltney, Chester.

1886. Holden, James, Locomotive Superintendent, Great Eastern Railway, Stratford Works, London, E.

1895. Holgate, Charles Henzell, School Close Works, Leeds.

1895. Holliday, John, Messrs. A. Guinness, Son and Co., St. James' Gate Brewery, Dublin.

1899. Hollingsworth, Allen Alexander, Messrs. Henry Bessemer and Co., Carlisle Street East, Sheffield.

1896. Holman, Frederick, Messrs. N. Holman and Sons, Penzance Foundry, Penzance.

1891. Holman, Hugh Wilson, Messrs. E. J. Caiger and Co., 4 Lloyd's Avenue, Fenchurch Street, London, E.C. [*Caiger, London.*]

1899. Holmes, John Henry, Portland Road, Newcastle-on-Tyne; and Wellburn, Jesmond, Newcastle-on-Tyne.

1896. Holmes, Percy Frederick, Messrs. W. C. Holmes and Co., Whitestone Iron Works and Turnbridge Foundries, Huddersfield. [*Holmes, Huddersfield.* 113.]

1892. Holmström, Carl Albert, Shirley, Kenton Road, Harrow.

1888. Homan, Harold, Messrs. Homan and Rodgers, 10 Marsden Street, Manchester. [*Namoh, Manchester.* 637.]

1903. Homersham, Thomas Henry Collett, Works Manager, Messrs. Thwaites Brothers, Vulcan Iron Works, Bradford.

1895. Homfray, Samuel George, Sir W. G. Armstrong, Whitworth and Co., 8 Great George Street, Westminster, S.W.

1898. Honiball, Charles Roland, Maritime Engine Works, 121 Great Mersey Street, Liverpool. [*Honiball, Liverpool.* Central 7371.]

1890. Hooker, Benjamin, Blackhorse Lane, Walthamstow, London, N.E.

1904. Hookham, John Albert, Works Manager, Locomotive Works, North Staffordshire Railway, Stoke-on-Trent.

1892. Hope, John Basil, Assistant Locomotive Superintendent, Midland Great Western Railway, Dublin.

1904. Hopkinson, Bertram (*Life Member*), Professor of Mechanism and Applied Mechanics, Engineering Laboratory, The University, Cambridge.

1885. Hopkinson, Charles, Werneth Chambers, 29 Princess Street, Manchester.

1894. Hopkinson, Edward, D.Sc., Messrs. Mather and Platt, Salford Iron Works, Manchester.

1877. Hopkinson, Joseph, Messrs. Joseph Hopkinson and Co., Britannia Works, Huddersfield. [*Hopkinson, Huddersfield.* 169.]

1890. Hopper, Allan, Messrs. William Hopper and Co., Moscow, Russia.

1890. Hopper, James Russell, Messrs. William Hopper and Co., Moscow, Russia.

1889. Hopwood, John, Locomotive Superintendent, Argentine Great Western Railway, Mendoza, Argentine Republic.

1880. Hornsby, James, Messrs. Richard Hornsby and Sons, Spittlegate Iron Works, Grantham. [*Hornsbys, Grantham.*]

1891. Horsfield, Ralph, Messrs. Ralph Horsfield and Co., Bredbury, Woodley, Stockport.

1873. Horsley, Charles, 22 Wharf Road, City Road, London, N.

1868. Horton, Enoch, Alma Works, Darlaston, near Wednesbury.

1886. Hosgood, John Howell, Locomotive and Hydraulic Superintendent, Barry Dock and Railways, Barry, near Cardiff.

1899. Hosgood, Octavious Sidney, Electric Light and Tramways Department, Roath Power Station, Roath, Cardiff.

1891. Hosgood, Walter James, Locomotive Department, Port Talbot Railway and Docks, Port Talbot.

1889. Hosken, Richard, P.O. Box 667, Johannesburg, Transvaal, South Africa: (or care of J. Hosken, 27 Mincing Lane, London, E.C.)

1902. Hoskins, George John, Messrs. G. and C. Hoskins, Sydney, New South Wales.

1901. Hough, Edward Stamford, Fenchurch Station Chambers, 66 Fenchurch Street, London, E.C.

1866. Houghton, John Campbell Arthur, Sparnon, Torquay.

1889. Houghton, Thomas Harry, 63 Pitt Street, Sydney, New South Wales. [*Expansion, Sydney.*]

1895. House, Henry Alonzo, Jun., Liquid Fuel Engineering Co., Hamworthy, Poole.

1864. Howard, Eliot, Messrs. Hayward Tyler and Co., 99 Queen Victoria Street, London, E.C. [*Tylerox, London.* 192 Bank.]

1897. Howard, Henry Fox, Messrs. Hayward, Tyler and Co., 99 Queen Victoria Street, London, E.C. [*Tylerox, London.* 192 Bank.]

1879. Howard, James Harold, Britannia Iron Works, Bedford; and The Grange, Kempston, Bedford.

1882. Howard, John William, Gloucester Wagon Works, Gloucester.

1896. Howarth, Alfred Montgomery, Dredges and Machinery, Public Works Department, Sydney, New South Wales.

1885. Howarth, William, Manager, Oldham Boiler Works, Oldham. [*Boilers, Oldham.*]

1901. Howe, Henry Bryant, General Works Manager, Government Railways, Eveleigh Works, Sydney, New South Wales.

1877. Howell, Samuel Earnshaw, Messrs. Howell and Co., Brook Steel Works, Brookhill, Sheffield. [*Howell, Sheffield.*]

1882. Howl, Edmund, Messrs. Lee Howl and Co., Tipton. [*Howl, Tipton.*]

1904. Howlden, Edwin Francis, 68 Marlborough Mansions, Cannon Hill, West Hampstead, London, N.W.

1877. Howlett, Francis, Messrs. Clayton, Howlett and Co., 28 Victoria Street, Westminster, S.W. [*Brickpress, London.*]

1891. Hoy, Henry Albert, Messrs. Beyer, Peacock and Co., Gorton Foundry, Manchester; and Springfield, Bromley Cross, Bolton.

1887. Hoyle, James Rossiter, Messrs. Thomas Firth and Sons, Norfolk Works, Sheffield.

1891. Hubback, Charles Arbuthnot, Locomotive Superintendent, Nitrate Railways Co., Iquique, Chile.

1898. Hudson, Francis James, District Locomotive Superintendent, Midland Railway, Gorton, Manchester; and Earnock, Marple, Stockport.

1882. Hudson, John George, Messrs. Hick Hargreaves and Co., Soho Iron Works, Crook Street, Bolton; and Glenholme, Bromley Cross, Bolton.

1884. Hudson, Robert, Gildersome Foundry, near Leeds [*Gildersome, Leeds.* Central 14.]; and Weetwood Mount, Headingley, near Leeds. [Headingley 4.]

1893. Hudson, William, Stocks Lane, Stalybridge.

1881. Hughes, Edward William Mackenzie, 53 Victoria Street, Westminster, S.W.; and 69 Thurlow Park Road, West Dulwich, London, S.E. [*Yeldrin, London.*]

1899. Hughes, George, Chief Mechanical Engineer, Lancashire and Yorkshire Railway, Horwich, Lancs.

1867. Hughes, George Douglas, Leen Side Works, Nottingham.

1898. Hughes, George Henry, 97 Queen Victoria Street, London, E.C.; and 1 Marlborough Road, Lee, Lewisham, London, S.E. [5754 Bank.]

1889. Hughes, John, Messrs. Hughes and Lancaster, 47 Victoria Street, Westminster, S.W.

1891. Hughes, Robert M., District Engineer, Bengal-Nagpur Railway, Chakardharpur, Bengal, India.

1900. Hughes, Thomas William Robert, 59 Catford Hill, London, S.E.

1902. Hulley, Richard Dodson, General Manager, Messrs. Royce, Cooke Street, Hulme, Manchester. [*Switch, Manchester.* 772 and 3562.]

1903. Humpage, Thomas, Messrs. Humpage, Jacques and Pedersen, Ashton Gate, Bristol.

1899. Humphrey, Herbert Alfred, 38 Victoria Street, Westminster, S.W. [*Gazonner, London.*]

1900. Humphreys, Henry Howard, 28 Victoria Street, Westminster, S.W.

1866. Humphrys, Robert Harry, Messrs. Humphrys Tennant and Co., Deptford Pier, London, S.E.

1899. Hunt, Henry, Messrs. G. J. Worssam and Son, Wenlock Road, City Road, London, N.; and Cotsford, Uplands Park, Enfield.

1898. Hunt, Robert Woolston, 1137 The Rookery, Chicago, Illinois, United States.

1901. Hunt, William, Messrs. Hunt, Sons and Bright, 48 and 50 London Road, Nottingham.

1899. Hunter, George Lewis, Messrs. T. and W. Smith, Guildhall, Newcastle-on-Tyne.

1886. Hunter, John, Messrs. Campbells and Hunter, Dolphin Foundry, Saynor Road, Hunslet, Leeds.

1902. Hunter, Summers, General Manager, North Eastern Marine Engineering Co., Wallsend, R.S.O., Northumberland. [*News, Wallsend.*]

1877. Hunter, Walter, 17 Victoria Street, Westminster, S.W. [Westminster 75.]

1900. Hurst, Isaac Edwin, Engineer Captain R.N., H.M.S. "Tamar," Hong Kong, China.

1899. Hutson, Charles Alfred, Messrs. C. A. Hutson and Co., Ceylon Engineering Works, Colombo, Ceylon.

1888. Huxley, George, 20 Mount Street, Manchester.

1894. Hyde, George Herbert (*Life Member*), Government Factory, Colombo, Ceylon.

1885. Hyland, John Frank, Government Railways, Sekondi, Gold Coast, West Africa: (or care of Messrs. Lewis and Hyland, New Rents, Ashford, Kent.)

1900. Iddon, James, Brookfield Iron Works, Leyland, near Preston.

1896. Iden, George, Hopedale, Spencer Park, Coventry.

1882. Ingham, William, 11 Blackfriars Street, Manchester. [4626.]

1895. Ingham, William, Town Hall, Port Elizabeth, Cape Colony.

1888. Ingleby, Joseph, 20 Mount Street, Manchester.

1903. Ingram, Samuel, County Surveyor, Whipton, Exeter.

1883. Instone, Thomas, 101 Leadenhall Street, London, E.C.

1894. Iorns, Charles Risbee, 642 Abbeydale Road, Sheffield.

1892. Irons, Thomas, Messrs. Hudson Brothers, Clyde Engineering Works, Granville, New South Wales.

1898. Irwin, Delacherois Hastings, Managing Director, Messrs. Crossley Brothers, Openshaw, Manchester. [*Crossleys, Openshaw.*]

1895. Isaac, Robert, Messrs. Owen, Isaac and Owen, Union Iron Works, Portmadoc. [*Isaac, Portmadoc.*]

1887. Ivatt, Henry Alfred, Locomotive Engineer, Great Northern Railway, Doncaster.

1884. Jacks, Thomas William Moseley, Messrs. William Beardmore and Co., Wheel and Axle Dept., Parkhead, Glasgow; and 13 Queensborough Gardens, Kelvinside, Glasgow.

1898. Jackson, Algernon Brooker, 16 Great Tower Street, London, E.C.

1904. Jackson, Gerald Hart, Chief Engineer, Electric Light and Power Co., Angel Lane, Northampton. [183.]

1899. Jackson, Sir John, LL.D., F.R.S.E., 53 Victoria Street, Westminster, S.W. [*Cofferdam, London.*]

1895. Jackson, Robert Cattley, British Thomson-Houston Co., Kings Court, Colmore Row, Birmingham.

1886. Jackson, Thomas, Woodlands View, Horsforth, near Leeds.

1889. Jackson, William, Thorn Grove, Mannofield, Aberdeen.

1876. Jacobs, Charles Mattathias, 78 Gracechurch Street, London, E.C. [*Vexillum, London.*]

1901. Jacobs, Lieut. Joseph John, R.E., 63 Marine Parade, Sheerness.

1878. Jakeman, Christopher John Wallace, Manager, Messrs. Merryweather and Sons, Tram Locomotive Works, Greenwich Road, London, S.E.

1900. James, Charles, Jun., Messrs. Richard Hornsby and Sons, Spittlegate Iron Works, Grantham.

1889. James, Charles William, 48 Ardgowan Road, Catford, London, S.E.

1895. James, Christopher William, Messrs. Joshua Buckton and Co., Well House Foundry, Meadow Road, Leeds.

1895. James, Enoch, Glan-y-llyn, Roath Park, Cardiff.

1899. James, Herbert Holland, care of Frank James, Silkmore Hall, Stafford.

1889. James, Reginald William, Messrs. Fell and James, 1 Queen Victoria Street, London, E.C. [*Lodestone, London.* 317 Bank.]

1899. James, Thomas, Carriage and Wagon Department, Midland Railway, Derby.

1898. James, William Henry, College of Engineering, Madras, India.

1879. Jameson, George, Messrs. John Jameson and Son, Bow Street Distillery, Dublin.

1888. Jaques, Captain William Henry, Little Boar's Head, New Hampshire, United States.

1888. Jeejeebhoy, Piroshaw Bomanjee, 17 Church Street, Bombay, India.

1901. Jefferies, Harold Sellis, Messrs. Ransomes, Sims and Jefferies, Orwell Works, Ipswich. [*Ransomes, Ipswich.* 11.]

1881. Jefferiss, Thomas, Messrs. Tangyes, Cornwall Works, Soho, near Birmingham. [*Tangyes, Birmingham.*]

1877. Jeffreys, Edward Homer, Hawkhills, Chapel Allerton, Leeds.

1902. Jeffreys, John, 11 Old Queen Street, Westminster, S.W. [482 Westminster.]

1901. Jenkin, Bernard Maxwell, 17 Victoria Street, Westminster, S.W. [*Kinematic, London.*]

1893. Jenkin, Charles Frewen, Nearcross, Stafford.

1894. Jenkin, Thomas Henry, Messrs. J. Jamieson and Co., Queen's Dock Chambers, Hull. [*Propeller, Hull.* 94.]

1880. Jenkins, Rhys, 10 Berkeley Road, Crouch End, London, N.

1892. Jenkins, William John, Messrs. W. J. Jenkins and Co., Beehive Works, Retford.

1903. Jenkinson, Edward Henry, Messrs. W. and A. McArthur, 15 Macquarie Place, Sydney, New South Wales.

1896. Jenkinson, Thomas, 17 Windle Street, St. Helens, Lancashire.

1893. Jennins, Henry Horwood, Messrs. Edwin Oldroyd and Co., Crown Works, Leeds. [*Calorifics, Leeds.* Central 241.]

1878. Jensen, Peter, 77 Chancery Lane, London, W.C. [*Venture, London.*]

1902. Jepson, James Thomas, 18 Bainbrigge Road, Headingley, Leeds.

1889. Jessop, George, Messrs. Jessop and Appleby Brothers, London Steam-Crane and Engine Works, Leicester. [*Jessop, Leicester.*]

1897. Johns, Cosmo, Messrs. Vickers, Sons and Maxim, River Don Works, Sheffield.

1896. Johnson, Andrew, 120 Nithsdale Road, Glasgow.

1890. Johnson, John William, care of Baron L. Knoop, Maison de la Banque des Marchands, Ilyinka, Moscow, Russia.

1891. Johnson, Lacey Robert, Assistant Superintendent of Rolling Stock, Canadian Pacific Railway, Montreal, Canada.

1888. Johnson, Lawrence Potter, Deputy Locomotive Superintendent, Burma Railways, Insein, Burma.

1861. Johnson, Samuel Waite, Lenton House, Lenton Road, The Park, Nottingham.

1900. Johnston, Charles Morison, Borough Electrical Engineer, Electricity Works, Shrewsbury.

1896. Johnston, James, Chief Engineer, Brighton Corporation Water Works, 12 Bond Street, Brighton. [140.]

1895. Johnstone, Major James Henry L'Estrange, M.V.O., R.E. (*Life Member*), President, Egyptian Railway and Telegraph Administration, Cairo, Egypt.

1882. Jolin, Philip, 25 Temple Street, Bristol.

1891. Jones, Charles Frederick, 85 Davenport Street, Bolton.

1871. Jones, Charles Henry, Assistant Locomotive Superintendent, Midland Railway, Derby.

1873. Jones, Edward, Broomfield House, Perry Barr, Birmingham.

1884. Jones, Felix, Messrs. Jones and Foster, 39 Bloomsbury Street, Birmingham.

1878. Jones, Frederick Robert, Superintending Engineer, Sirmoor State, Nahan, near Umballa, Punjaub, India: (or care of Messrs. Richard W. Jones and Co., Newport, Monmouthshire.)

1867. Jones, George Edward, 25 Lexham Gardens, Cromwell Road, London, S.W.

1903. Jones, George Phillips, Works Manager, Messrs. John Jones and Sons, Britannia Foundry, Loughborough; and Forest Road, Loughborough.

1878. Jones, Harry Edward, 142-3 Palace Chambers, Bridge Street, Westminster, S.W.

1881. Jones, Herbert Edward, Locomotive, Carriage and Wagon Superintendent, Cambrian Railways, Oswestry.

1882. Jones, Samuel Gilbert, Steanbridge House, near Stroud, Gloucestershire.

1887. Jones, Thomas, Central Board School, Deansgate, Manchester; and 4 Manley Road, Alexandra Park, Manchester.

1900. Jones, Walter, Titan Works, Stourbridge.

1872. Jones, William Richard Sumption, 4 Whitehall Court, London, S.W.

1883. Jordan, Edward, Manager, Cardiff Junction Dry Dock and Engineering Works, Cardiff.

1891. Jordan, Henry George, Jun., Municipal School of Technology, Sackville Street, Manchester; and 6 Manley Road, Whalley Range, Manchester.

1891. Judd, Joseph Henry, Education Offices, Deansgate, Manchester.

1884. Justice, Howard Rudulph, 55 and 56 Chancery Lane, London, W.C. [*Syng, London.* Holborn 3.]

1888. Kapteyn, Albert, 11 Kurhausstrasse, Zürich, Switzerland.

1904. Kaye, Walter Kelita, Messrs. Joseph Kaye and Sons, Lock Works, Hunslet, Leeds. [*Wedge, Leeds.* 506.]

1900. Keatinge, Sherbrooke Augustus John, Indian State Railways, Lucknow, India.

1904. Keay, James, Messrs. E. C. and J. Keay, Princes Chambers, Corporation Street, Birmingham. [*Keay, Birmingham.* 430.]

1869. Keen, Arthur, London Works, near Birmingham. [*Globe, Birmingham.*]

1883. Keen, Francis Watkins, London Works, near Birmingham.

1901. Keightley, Alfred Percival, Messrs. Marshall, Sons and Co., 8 Hummum Street, Bombay, India.

1904. Keith, James, James Keith and Blackman Co., 27 Farringdon Avenue, London, E.C.

1899. Kekewich, George Ormond, Middlesex County Council, Guildhall, Westminster, S.W. [Westminster 218.]

1881. Kendal, Ramsey, Locomotive Department, North Eastern Railway, Darlington.

1879. Kennedy, Alexander Blackie William, LL.D., F.R.S., Emeritus Professor of Engineering, University College, London: 17 Victoria Street, Westminster, S.W. [*Kinematic, London.*]

1892. Kennedy, Thomas, The Glenfield Engineering Works, Kilmarnock.

1875. Kenrick, George Hamilton, Messrs. A. Kenrick and Sons, Spon Lane, West Bromwich; and Whetstone, Somerset Road, Edgbaston, Birmingham.

1902. Kenrick, John Archibald, Messrs. Archibald Kenrick and Sons, Spon Lane, West Bromwich; and Harborne House, Harborne, Birmingham.

1892. Kensington, Frederick, 2 Copthall Buildings, London, E.C.

1896. Kerr, Alfred Ernest Campbell (*Life Member*), 161 Dana Street, Ballarat, Victoria.

1866. Kershaw, John, Villa Eugénie-Louise, Boulevard des Moulins, Monte Carlo, France.

1884. Kershaw, Thomas Edward, Ardnacoombe, King's Norton, Birmingham.

1903. Kett, George, General Manager, Deptford Engineering Co., High Street, Deptford, London, S.E.; and 100 Gordon Road, Nunhead, London, S.E.

1885. Keyworth, Thomas Egerton, Central Cuban Railways, Sagua la Grande, Cuba: (or care of J. R. H. Keyworth, 28 Grosvenor Road, Birkenhead.)

1885. Kidd, Hector, Colonial Sugar Refining Co., Sydney, New South Wales.

1894. Kiernan, George, Manager, Messrs. Gresham and Craven, Craven Iron Works, Salford, Manchester.

1888. Kikuchi, Kyozo, Superintendent Engineer, Hirano Spinning Mill, Osaka, Japan.

1899. Kilgour, Martin Hamilton, Borough Electrical Engineer, Electric Works Offices, 2 Church Street, Cheltenham.

1895. King, Charles Penrose, Resident Engineer, Ilkeston and Heanor Water Works; 3 Clarence Terrace, Holme Road, Matlock-Bath.

1900. King, Charles Philip, 67 Upper Richmond Road, Putney, London, S.W.

1897. King, Henry Charles, Great Western Railway Works, Swindon.

1895. King, Thomas Scott, 59 Mount Stuart Square, Docks, Cardiff.

1872. King, William, Engineer, Liverpool United Gas Works, Duke Street, Liverpool.

1877. Kirk, Henry, Messrs. Kirk Brothers and Co., New Yard Iron Works, Workington. [*Kirks, Workington.*]

1884. Kirkaldy, John, 101 Leadenhall Street, London, E.C. [*Compactum, London.*]

1899. Kirkaldy, William George, 99 Southwark Street, London, S.E. [2439 Hop.]

1875. Kirkwood, James, R.S. "Chuen Tiao," Imperial Maritime Customs, Kowloon, Hong Kong, China.

1902. Kitching, Alfred, Superintendent Engineer, Ocean Steamship Co., Singapore, Straits Settlements.

1859. Kitson, Sir James, Bart., M.P., Monk Bridge Iron Works, Leeds.

1889. Knap, Conrad, 11 Queen Victoria Street, London, E.C.

1886. Knight, Charles Albert, 6 Upper Avenue Road, Hampstead, London, N.W.

1890. Knight, James Percy, Kaiser Steam Tug Co., 27 Great Tower Street, London, E.C. [*Longboat, London.* Avenue 203.]

1903. Knight, William Edward, Acting Locomotive Superintendent, United Railways of Havana, Havana, Cuba.

1900. Knowles, John, Messrs. Bradbury, Brady and Co., Bombay, India.

1904. Knowles, John William, Messrs. J. W. Knowles and Co., Globe Works, Manningham, Bradford. [*Machines, Bradford.* 132.]

1896. Kwang, Kwong Yung (*Life Member*), Linsi Colliery; care of the Chinese Engineering and Mining Co., Tientsin, North China.

1898. Lackland, John James, Water Engineer, Town Hall, St. Helens, Lancashire. [69.]

1883. Lake, William Robert, Alaska, York Road, Sutton, Surrey.

1903. Lambert, Harold, Messrs. Hudswell, Clarke and Co., Railway Foundry, Leeds.

1897. Lambert, William Fraser, Messrs. G. S. Goodwin and Co., 19 James Street, Liverpool.

1883. Lander, Philip Vincent, La Compañia de Obras Publicas, 586 Avenida de Mayo, Buenos Aires, Argentine Republic: (or care of W. W. Lander, Imperial Ottoman Bank, 26 Throgmorton Street, London, E.C.)

1896. Lane, Francis Lawrence, Works Manager, Leeds Forge, Leeds.

1881. Langdon, William, St. Margaret's, Babbacombe, Torquay.

1881. Lange, Frederick Montague Townshend, 72A St. Thomas Street, Bermondsey, London, S.E.

1879. Lapage, Richard Herbert, Sheen House, Walmer. [*Lapage, Walmer.*]

1895. Larard, Charles Edward, Engineering Department, Northampton Institute, Clerkenwell, London, E.C.

1899. Lash, Horatio William, Manager, Albion Works, Sheffield.

1888. Latham, Baldwin, Parliament Mansions, Victoria Street, Westminster, S.W.; and Duppas House, Old Town, Croydon.

1899. Latta, James Gilmore, 78 Billiter Buildings, London, E.C.

1890. Laurie, Leonard George, 15 Cardiff Road, Newport, Monmouthshire.

1904. Lawes, George Elliot, Gefe Traccion y Talleres, Ferro Carril Central Paraguay, Paraguay.

1867. Lawrence, Henry, 7 and 8 Post Office Chambers, Newcastle-on-Tyne.

1905. Lawrence, Maximilian Robert, Works Manager, Wolseley Tool and Motor Car Co., Crayford, S.O., Kent; and 2 Edith Villas, Crayford, S.O., Kent.

1893. Lawrie, James, Government Marine Surveyors' Office, Penang, Straits Settlements.

1882. Lawson, Frederick William, Messrs. Samuel Lawson and Sons, Hope Foundry, Leeds.

1870. Layborn, Daniel, Messrs. Daniel Layborn and Co., Dutton Street, Liverpool.

1883. Laycock, William S., Victoria Street Works, Sheffield; and Ranmoor, Sheffield. [*Invention, Sheffield.* 907.]

1902. Lazenby, Arthur, Messrs. Willans and Robinson, Victoria Works, Rugby.

1860. Lea, Henry, Messrs. Henry Lea and Son, 38 Bennett's Hill, Birmingham. [*Engineer, Birmingham.* 113.]

1892. Lea, Richard Henry, Messrs. Lea and Francis, Coventry.

1889. Leaf, Henry Meredith, 4 Barton Street, Westminster, S.W.

1883. Leavitt, Erasmus Darwin, 317 Harvard Street, Cambridge, Massachusetts, United States.

1890. Ledingham, John Machray, Royal Laboratory, Royal Arsenal, Woolwich.

1862. Lee, J. C. Frank, 42 Gloucester Gardens, Hyde Park, London, W.

1892. Lee, Richard John, Messrs. Harrison, Lee and Sons, City Foundry, Limerick.

1890. Lee, Samuel Edward, Messrs. Harrison, Lee and Sons, City Foundry, Limerick.

1863. Lees, Samuel, Messrs. H. Lees and Sons, Park Bridge Iron Works, Ashton-under-Lyne.

1889. Legros, Lucien Alphonse, 57 Brook Green, Hammersmith, London, W.

1896. Leisse, George Charles, Messrs. John Fowler and Co., Steam Plough and Locomotive Works, Leeds.

1897. Leitch, Archibald, 40 St. Enoch Square, Glasgow. [*Tracing, Glasgow.* Royal 5197.]

1898. Leopard, Charles William, 52 Queen Victoria Street, London, E.C. [Bank 657.]

1901. Leslie, William, Resident Engineer, Harbour Works, Fremantle, Western Australia.

1878. Lewis, Gilbert, 30 Lapwing Lane, West Didsbury, Manchester. [*Hydraulic, West Didsbury.*]

1884. Lewis, Sir William Thomas, Bart., Bute Mineral Estate Office, Aberdare; and Mardy, Aberdare.

1894. Liebert, Henry Anton, Messrs. John Holroyd and Co., Perseverance Works, Milnrow, Rochdale.

1880. Lightfoot, Thomas Bell, Cornwall Buildings, 35 Queen Victoria Street, London, E.C. [*Separator, London.*]; and Kemnal Wood, Chislehurst. [*Lightfoot, Chislehurst.*]

1903. Lilly, Walter Elsworthy, Assistant Professor of Civil Engineering, 39 Trinity College, Dublin.

1903. Lindley, Herbert, Manager, Messrs. Kendall and Gent, Victoria Works, Gorton, Manchester.

1901. Lindsay, Robert, Somerville House, Dundee.

1891. Lindsay, William Robertson, 1 Lorne Terrace, Maryfield, Dundee.

1890. Lineham, Wilfrid James, The Goldsmiths' Institute, New Cross, London, S.E.; and 21 Newstead Road, Lee, London, S.E.

1902. Lironi, Vittorio Giovanni, Resident Engineer, Portsmouth Corporation Tramways, Power Station, Fratton, Portsmouth.

1876. Lishman, Thomas, Mining Engineer, Hetton Colliery, near Fence Houses.

1881. List, John, Superintendent Engineer, Messrs. Donald Currie and Co., Orchard Works, Blackwall, London, E.; and 3 St. John's Park, Blackheath, London, S.E.

1890. Lister, Robert Ramsbottom, 11 Athol Road, Alexandra Park, Manchester.

1900. Little, Edwin, Engineer Captain R.N., Inspector of Machinery, H.M. Dockyard, Simons Town, Cape Colony.

1901. Little, Gilbert, Clevedon, Smethwick, Birmingham. [50 Smethwick.]

1904. Little, John, Chief Engineer, Messrs. Cammell, Laird and Co., Cyclops Steel and Iron Works, Sheffield.

1890. Livens, Frederick Howard, Messrs. Ruston Proctor and Co., Sheaf Iron Works, Lincoln.

1900. Liversedge, Henry Thomas, Engineer Commander R.N., H.M.S. "Sappho," care of Postmaster General, London, E.C.

1901. Livesey, Sir George Thomas, South Metropolitan Gas Works, Old Kent Road, London, S.E.

1901. Livesey, Robert Martyn, Messrs. Topham, Jones and Railton, H.M. Dockyard Extension, Gibraltar.

1895. Livingston, James, 30 Great St. Helen's, London, E.C. [*Cinerary, London.*]

1886. Livsey, John Edward, 34 Octavia Street, Battersea, London, S.W.

1882. Lloyd, Robert Samuel, Messrs. Hayward Tyler and Co., 99 Queen Victoria Street, London, E.C. [*Tylerox, London.* 192 Bank.]

1894. Lloyd, Sampson Zachary, Areley Hall, Stourport. [Former Member 1864–1886.]

1897. Loane, Samuel Joshua, Chief Engineer, Madras Municipality, Municipal Office, Madras, India.

1900. Lobb, Christopher, Engineer, Messrs. W. Clowes and Sons, Duke Street, Stamford Street, London, S.E.

1898. Lobnitz, Fred, Messrs. Lobnitz and Co., Renfrew, near Paisley; and Clarence House, Renfrew, near Paisley.

1879. Lockhart, William Stronach, 67 Granville Park, Blackheath, London, S.E.

1901. Longbotham, Robert Hall, Ings Foundry, Wakefield. [*Engineer, Wakefield.* 44.]

1894. Longridge, Captain Cecil Clement, Saltash.

1880. Longridge, Michael, Chief Engineer, Engine and Boiler Insurance Co., 12 King Street, Manchester.

1856. Longridge, Robert Bewick, Managing Director, Engine and Boiler Insurance Co., 12 King Street, Manchester; and Yew Tree House, Tabley, near Knutsford.

1875. Longridge, Robert Charles, Kilrie, Knutsford.

1901. Longsdon, Henry Crofts, Managing Director, Messrs. W. Summerscales and Sons, Phœnix Foundry, Keighley. [*Phœnix, Keighley.* 92.]

1880. Longworth, Daniel, Messrs. Alcock, Ashdown and Co., Mazagon, Bombay, India.

1899. Lonnon, William, Engineer Commander R.N., 93 London Road, Portsmouth.

1887. Lorrain, James Grieve, Norfolk House, Norfolk Street, London, W.C. [*Lorrain, London.*]

1901. Loud, Henry Sherman, General Manager of Works, British Westinghouse Electric and Manufacturing Co., Westinghouse Works, Trafford Park, Manchester.

1888. Low, David Allan, Professor of Engineering, East London Technical College, People's Palace, Mile End Road, London, E.

1885. Low, Robert, Powis Lodge, Vicarage Park, Plumstead.

1903. Low, William, Messrs. James F. Low and Co., Monifieth Foundry, Monifieth, Dundee. [*Low, Monifieth.* 1 Monifieth.]

1873. Lucas, Arthur, 27 Bruton Street, New Bond Street, London, W.

1889. Lucy, Arthur John, The Old Hill, Astley, Stourport.

1897. Lucy, Ernest Edward, Assistant Locomotive Superintendent, Great Western Railway, Stafford Road Works, Wolverhampton.

1886. Lucy, William Theodore, 107 Woodstock Road, Oxford.

1902. Lukis, Wilfrid Ravenshaw Fellowes, Vacuum Oil Co., York House, Norfolk Street, Strand, London, W.C.

1895. Lumsden, Thomas Templeton Mackie, Managing Director, Messrs. James Milne and Son, Milton House Works, Edinburgh.

1898. Lunt, Charles Thomas, Station Road, Pelsall, Walsall.

1877. Lupton, Arnold, Professor of Mining Engineering, Yorkshire College, Leeds; and 6 De Grey Road, Leeds. [*Arnold Lupton, Leeds.* Central 330.]

1897. Lupton, Hugh, Messrs. Hathorn, Davey and Co., Sun Foundry, Dewsbury Road, Leeds. [*Hathorn, Leeds.* Central 524.]

1887. Lupton, Kenneth, 1 Lystra Villas, Lockhampton Road, Cheltenham.

1900. Lupton, William Walter, Messrs. Joshua Buckton and Co., Well House Foundry, Meadow Road, Leeds; and Malton.

1892. Macbean, John James, Messrs. Howarth Erskine and Co., Singapore, Straits Settlements.

1888. Macbeth, John Bruce King, 44 Tamarind Lane, Bombay, India.

1883. Macbeth, Norman, 23 Acresfield, Bolton.

1884. MacCarthy, Samuel, Messrs. Lloyd and Lloyd, 90 Cannon Street, London, E.C.; and 18 Adelaide Road, Brockley, London, S.E.

1877. MacColl, Hector, Bloomfield, Belfast.

1897. MacDonald, David Johnstone, South St. Roque's Works, Dundee. [*Medalist, Dundee.* 239.]

1904. Macdonald, Donald, 13 Beaconsfield Arcade, Hong Kong, China.

1901. Macdonald, Fitz Charles, Superintendent Engineer, Irrawaddy Flotilla Co., Dalla Dockyard, Rangoon, British Burma, India.

1889. Macdonald, James Alexander, Broad Oaks Iron Works, Chesterfield.

1903. Macdonald, James Turriff Sinclair, Bristol Wagon Works, Lawrence Hill, Bristol.

1899. Macdonald, John, Bridge Turbine Works, Pollokshaws, Glasgow. [*Consulting, Pollokshaws.* Z 243.]

1895. MacGarvey, Howard, Lombard Street Works, Dublin.

1897. MacIvor, Alexander, Messrs. Potter and Co., Hollins Paper Mills, Darwen.

1890. Mackay, Joseph, Oriental Avenue, Bangkok, Siam: (or care of Messrs. Barr, Thomson and Co., Kilmarnock.) [*Mackay, Bangkok.*]

1885. MacKenzie, John William, Messrs. Wheatley and MacKenzie, 40 Chancery Lane, London, W.C.; and Oakamoor, Dartnell Park, Byfleet, Weybridge.

1883. Mackenzie, Thomas Brown, Messrs. David Colville and Sons, Dalzell Steel and Iron Works, Motherwell; and Calder View, Motherwell.

1875. Maclagan, Robert, 16 Rutland Court, London, S.W.

1889. MacLay, Professor Alexander, Southholm, Fitzjohn's Avenue, High Barnet.

1886. MacLean, Alexander Scott, Messrs. Alexander Scott and Sons, Sugar Refinery, Berry-yards, Greenock; and 31 Bank Street, Greenock.

1901. Maclure, William George Percy, Locomotive Running Superintendent, Great Central Railway, Gorton, Manchester.

1901. Macmillan, Colin Campbell, Bengal Iron and Steel Co., Burrakur, Bengal, India.

1902. MacNay, Arthur, District Locomotive Superintendent, Cape Government Railways, De Aar, Cape Colony.

1901. MacQueen, John, Messrs. Yarrow and Co., Isle of Dogs, Poplar, London, E.

1879. Maginnis, James Porter, 11 Carteret Street, Queen Anne's Gate, Westminster S.W. [*Offset, London.* G.P.O. 192 Victoria.]

1901. MaGuire, Frederick George, Messrs. Davidson and Co., Sirocco Engineering Works, Belfast.

1891. Mahon, Colonel Reginald Henry, R.A., India Office, Westminster, S.W.

1900. Main, John Palmer Scott, Assistant Inspecting Officer of Railways, Board of Trade, 1 Whitehall, London, S.W.

1873. Mair-Rumley, John George (*Life Member*), 43 Palace Court, London, W. [*Ipsum, London.*]

1884. Mais, Henry Coathupe, 2 Prell's Buildings, Collins and Queen Streets, Melbourne, Victoria.

1898. Maitland, Cree, 190 West George Street, Glasgow. [Corporation 665. National 5719.]

1883. Malan, Ernest de Mérindol, Westinghouse Brake Co., York Road, King's Cross, London, N.

1879. Malcolm, Bowman, Locomotive Engineer, Belfast and Northern Counties Railway, Belfast.

1896. Malloch, William Farquhar, Town Office, Uitenhage, Cape Colony.

1891. Manisty, Edward, Dundalk Iron Works, Dundalk, Ireland; and 24A Bryanston Square, London, W.

1888. Mano, Bunji, Professor of Mechanical Engineering, Imperial University, Tokyo, Japan.

1875. Mansergh, James, F.R.S., 5 Victoria Street, Westminster, S.W.

1894. Mansfield, Edwin Albert, 5 Chalsey Road, Brockley, London, S.E.

1891. Manson, James, Locomotive Superintendent, Glasgow and South Western Railway, Kilmarnock.

1897. Mantle, Harry George, Old Level Iron Works, Brierley Hill. [*Hall, Brierley Hill.* 12,005.]

1893. Manton, Arthur Woodroffe, B.Sc., Messrs. S. Pearson and Son, Incorporated East River Tunnels, Long Island City, N.Y., United States.

1862. Mappin, Sir Frederick Thorpe, Bart., M.P., Messrs. Thomas Turton and Sons, Sheaf Works, Sheffield; and Thornbury, Sheffield.

1897. Mapplebeck, Edward, Messrs. John Wilkes, Sons and Mapplebeck, Liverpool Street, Birmingham. [*Wilkes, Birmingham.*]

1878. Marié, Georges, 4 Boulevard des Sablons, Neuilly-sur-Seine, France.

1900. Markham, Reginald Gascoigne Law, R.N., Leamington Villa, Burlington Lane, Chiswick, London, W.

1891. Marks, Edward Charles Robert, 13 Temple Street, Birmingham.

1888. Marks, George Croydon, 18 Southampton Buildings, Chancery Lane, London, W.C. [*Reconstruction, London.*]

1896. Markwick, Alfred Ernest, Superintendent of Machinery, Karachi Municipality, Lawrence Road, Karachi, India.

1884. Marquand, Augustus John, 2 Dock Chambers, Bute Docks, Cardiff. [*Martial, Cardiff.*]

1900. Marriner, William Wright, Messrs. Yarrow and Co., Isle of Dogs, Poplar, London, E.

1887. Marriott, William, Engineer and Locomotive Superintendent, Midland and Great Northern Joint Railways, Melton Constable, Norfolk.

1896. Marsh, Douglas Earle, Locomotive Department, Great Northern Railway, Doncaster.

1900. Marshall, Alfred William, 28 New Bridge Street, Ludgate Circus, London, E.C. [332 Central.]

1890. Marshall, Frank Herbert, Messrs. Wilsons, Pease and Co., Tees Iron Works, Middlesbrough.

1889. Marshall, Frank Theodore, Messrs. R. and W. Hawthorn Leslie and Co., St. Peter's Works, Newcastle-on-Tyne.

1885. Marshall, Henry Dickenson, Messrs. Marshall, Sons and Co., Britannia Iron Works, Gainsborough. [*Marshalls, Gainsborough.* 10.]

1897. Marshall, Herbert John, Messrs. Marshall, Sons and Co., Britannia Iron Works, Gainsborough. [*Marshalls, Gainsborough.* 10.]

1901. Marshall, Hermann Dickenson, Messrs. Marshall, Sons and Co., Britannia Iron Works, Gainsborough.

1871. Marshall, James, Messrs. Marshall, Sons and Co., Britannia Iron Works, Gainsborough. [*Marshalls, Gainsborough.* 10.]

1885. Marshall, Jenner Guest, Tyndall Works, Sloane Street, Camden Street, Birmingham. [*Work, Birmingham.* 2035.]

1896. Marshall, Lewis, Greenroyd, Halifax.

1902. Marshall, Robert, 5 Great Winchester Street, London, E.C.

1877. Marshall, William Bayley, Richmond Hill, Edgbaston, Birmingham. [*Augustus, Birmingham.* 3533.]

1847. Marshall, William Prime, Richmond Hill, Edgbaston, Birmingham. [*Augustus, Birmingham.* 3533.]

1899. Marsland, John Samuel, Drakes Ltd., Halifax. [*Drakeson, Halifax.* 43.]

1859. Marten, Edward Bindon, Pedmore, Stourbridge. [*Marten, Stourbridge.* 8504.]

1881. Martin, Edward Pritchard (*Life Member*), Dowlais Iron Works, Dowlais; and The Hill, Abergavenny.

1886. Martin, William Hamilton, Engineering Manager, The Scheldt Royal Shipbuilding and Engineering Works, Flushing, Holland.

1882. Martindale, Warine Ben Hay, 83 Cannon Street, London, E.C.; and Haistwell House, Sunningdale, Ascot.

1884. Massey, George, Post Office Chambers, Pitt Street, Sydney, New South Wales.

1903. Massey, Harold Fletcher, Works Manager, Messrs. B. and S. Massey, Openshaw, Manchester.

1895. Massey, Leonard Fletcher, Messrs. B. and S. Massey, Openshaw, Manchester. [*Masseys, Openshaw.* 300.]

1893. Massey, William Henry, 25 Queen Anne's Gate, Westminster, S.W.; and Twyford, R.S.O., Berkshire.

1892. Masterton, John Fraser, Locomotive Department, South Eastern and Chatham Railway, Ashford, Kent.

1903. Masterton, Walter Neill, Marine Department, Singapore, Straits Settlements.

1899. Mastrantonis, Panayotis, Engine and Boiler Works, Piraeus, Greece.

1894. Mather, George Radford, Messrs. G. R. Mather and Son, Albion Foundry, Wellingborough. [*Mather, Wellingborough.*]

1867. Mather, Sir William, Messrs. Mather and Platt, Salford Iron Works, Manchester. [*Mather, Manchester.*]

1883. Mather, William Penn, Queen Dyeing Co., Providence, Rhode Island, United States.

1900. Mathews, Charles James, Chief Inspector of Machinery, Perth, Western Australia.

1891. Mathewson, Jeremiah Eugene, Tilghman's Sand-Blast Co., Broadheath, near Manchester.

1902. Mathot, Rodolphe, 24 Rue St. Christophe, Brussels, Belgium.

1886. Matthews, Robert, Parrs House, Heaton Mersey, near Manchester.

1893. Maunsell, Richard Edward Lloyd, Assistant Locomotive Engineer, Great Southern and Western Railway, Inchicore Works, near Dublin.

1873. Maw, William Henry, 35 Bedford Street, Strand, London, W.C. [Gerrard 3663.]

1884. Maxim, Sir Hiram Stevens, Thurlow Park, 379 Norwood Road, West Norwood, London, S.E.

1903. May, Charles Ramsden, Orwell Lodge, Erith, S.O., Kent.

1859. Maylor, William (*Life Member*), Hanley Grange, Hanley Castle, Worcestershire.

1898. McCowen, Victor A. H., City Electrical Engineer, Town Hall, Belfast.

1904. McCrae, William, Chief Engineer, Falkirk Gas Corporation, Gas Works, Falkirk.

1891. McCredie, Arthur Latimer, 9 Bridge Street, Sydney, New South Wales. [*Ebony, Sydney.* 63.]

1892. McDonald, John, Shimbashi-Uchi, Howard's Lane, Putney, London, S.W.

1878. McDonald, John Alexander, Assistant Engineer-in-chief, Public Works Department, Perth, Western Australia: (or care of James E. McDonald, 4 Chapel Street, Cripplegate, London, E.C.)

1891. McFarlane, George, 34 West George Street, Glasgow. [*Dunsloy, Glasgow.* Royal 3777.]

1895. McFarlane, James, 33 Spring Gardens, Abbeyhill, Edinburgh.

1895. McGee, Walter, Albion Works, Stoney Brae, Paisley. [137.]

1899. McInnes, David Whitton, Messrs. Hayward Brothers and Eckstein, Union Iron Works, Union Street, Borough, London, S.E. [*Hayward Brothers, London.* Hop 193.]

1889. McIntyre, John Henry A., Lecturer on Engineering Drawing, Glasgow and West of Scotland Technical College, Glasgow.

1902. McIvor, Benjamin Robert, Superintending Engineer, Amazon Steam Navigation Co., Manãos, Brazil; and 27 Halkyn Avenue, Sefton Park, Liverpool.

1901. McKechnie, James, Messrs. Vickers, Sons and Maxim, Naval Construction Works, Barrow-in-Furness.

1880. McLachlan, John, Messrs. Bow, McLachlan and Co., Thistle Engine Works, Paisley. [*Bow, Paisley.*]

1888. McLaren, Henry, Messrs. J. and H. McLaren, Midland Engine Works, Leeds. [*McLaren, Leeds.*]

1903. McLaren, John, Messrs. J. and H. McLaren, Midland Engine Works, Leeds. [*McLaren, Leeds.*]

1903. McLaren, John, Messrs. G. Grinyer and Co., 59 White Horse Street, London, E.

1900. McLaren, John Alexander, 48 St. Michael's Road, Headingley, Leeds.

1882. McLaren, Raynes Lauder, 10 Lammas Park Gardens, Ealing, London, W.

1899. McLaren, Richard Andrew, Babcock and Wilcox Co., Renfrew, R.S.O., Renfrewshire.

1901. McLaren, William Alexander, P.O. Box 917, Cape Town, Cape Colony.

1888. McLarty, Farquhar Matheson, 26 Brougham Street, Greenock. [*Unique, Greenock.*]

1904. McMahon, Peter Valentine, Chief Engineer, City and South London Railway, 195 Clapham Road, London, S.W.

1885. McNeil, John, Messrs. John McNeil and Co., Helen Street, Govan, Glasgow [*Colonial, Glasgow.*]; and Rosario, Dalkeith Avenue, Dumbreck, Glasgow.

1896. McPherson, Stewart, Manager, Barnagore Jute Works, Calcutta, India.

1901. McQueen, John Charles, St. Georges, Grenada, West Indies.

1903. McReddie, Charles Edward Boyesen, 352 Laprida, Buenos Aires, Argentine Republic.

1903. McRitchie, George Scott, Dockyard, Williamstown, Melbourne, Victoria.

1891. Meade, Thomas de Courcy, Town Hall, Manchester.

1899. Meaden, Nicholas, R.N., Danbury, Alexandra Road, Reading.

1881. Meik, Charles Scott, care of P. Walter Meik, 16 Victoria Street, Westminster, S.W.

1887. Melhuish, Frederick, Assistant Engineer, Southwark and Vauxhall Water Works, Southwark Bridge Road, London, S.E.

1903. Mell, Leonard Parry, Chief Engineer, Messrs. Samuel Allsopp and Sons, The Brewery, Burton-on-Trent.

1891. Melville, William Charles, 53 and 55 Cornwallis Street, Liverpool.

1888. Melville, William Wilkie, Messrs. E. Green and Son, Hastings House, Norfolk Street, Strand, London, W.C.

1900. Mendham, Conrad Field, 4 East India Avenue, London, E.C. [*Pyrotic, London.* Avenue 887.]

1878. Menier, Henri, 56 Rue de Châteaudun, Paris.

1897. Meredith, John, Frodingham House, Frodingham, Doncaster.

1901. Meriton, Thomas Henry Rudolph, 12 Sydenham Terrace, Sunderland.

1894. Merrick, Robert, Warren's Place Iron Works, Cork.

1896. Merrifield, Leonard Lancaster, 19 Abingdon Street, Westminster, S.W.

1875. Merryweather, James Compton, Messrs. Merryweather and Sons, Fire-Engine Works, Greenwich Road, London, S.E.; and 4 Whitehall Court, London, S.W. [*Merryweather, London.*]

1891. Metcalfe, Frederick Spencer, Pumping Station, Sewage Works, Burton-on-Trent.

1881. Meysey-Thompson, Arthur Herbert, Messrs. Hathorn Davey and Co., Sun Foundry, Dewsbury Road, Leeds.

1877. Michele, Vitale Domenico de, 8 Queen Anne's Gate, Westminster, S.W.; and Higham Hall, Rochester.

1904. Michell, William Henry, Engineer Lieut. R.N., Controller's Department, Admiralty, Whitehall, London, S.W.

1898. Micklewright, William, Osborne House, Wood Green Road, Wednesbury.

1884. Middleton, Reginald Empson, 17 Victoria Street, Westminster, S.W. [*Appoint, London.* Westminster 75.]

1891. Middleton, Robert, Sheepscar Foundry, Leeds.

1891. Middleton, Robert Thomas, late Assistant Engineer, Bombay, Baroda and Central India Railway, Bombay, India: 26 Selborne Road, Ilford.

1862. Miers, Francis C., Messrs. Fry Miers and Co., Suffolk House, 5 Laurence Pountney Hill, London, E.C.; and Eden Cottage, South Eden Park, Beckenham. [*Foundation, London.* Bank 920.]

1874. Milburn, John, Hawkshead Foundry, Quay Side, Workington.

1904. Miles, William Edward, Royal Gun Factories, Royal Arsenal, Woolwich.

1893. Millar, Jackson, Messrs. Millar and Allan, 93 Hope Street, Glasgow.

1902. Millar, Thomas, Messrs. Armstrong, Whitworth and Co., Walker Shipyard, Newcastle-on-Tyne.

1904. Miller, David, Superintendent Engineer, Spanish Royal Mail Co., 19 Princes Street, Bootle, Liverpool.

1885. Miller, Harry William, Messrs. Cunningham and Gearing, Atlas Engine Works, Bree Street, Cape Town, Cape Colony.

1886. Miller, John Smith, Messrs. Smith Brothers and Co., Hyson Green Works, Nottingham.

1887. Miller, Thomas Lodwick, 7 Tower Buildings N., Water Street, Liverpool. [*Kinetic, Liverpool.* 6216.]

1893. Milligan, William Scott, Messrs. Pollit and Wigzell, Bank Foundry, Sowerby Bridge.

1893. Millington, Frederick Handel, Manager, Patent Pulp Manufacturing Co., Thetford; and Mill House, Thetford.

1885. Millis, Charles Thomas, Principal, Educational Department, Borough Road Polytechnic, London, S.E.

1901. Mills, Frank, District Railway Engineer, Kuala Lumpur, Selangor, Malay Peninsula, Federated Malay States.

1898. Mills, George Pilkington, Works Manager, Raleigh Cycle Works, Lenton, Nottingham; and The Woodlands, Beeston, Nottingham.

1898. Mills, Richard, Locomotive Department, Midland Railway, Derby; and 9 Wilson Street, Derby.

1897. Mills, William, Atlas Works, Bonner's Field, Sunderland [*Engineer, Sunderland.* 552]; and Mayfield, Roker, Sunderland.

1887. Milne, William, Castle Buildings, West Street, Durban, Natal [*Metallic, Durban.*]; and Furnheim, Rosetta Road, Durban, Natal.

1898. Mindo, Arnold Waldemar, 52 Serpentine Road, Egremont, Cheshire.

1902. Mitchell, Benjamin Merwin, Messrs. Fraser and Chalmers, Johannesburg, Transvaal, South Africa.

1898. Mitchell, George, Manager, Vacuum Brake Co., 32 Queen Victoria Street, London, E.C. [*Solution, London.* Bank 5534.]

1892. Mitcheson, George Arthur, Longton, Staffordshire. [*Mitcheson, Longton.* 4045.]

1899. Mitton, Edward Moss, Jun., Messrs. Ewen and Mitton, Smithfield Works, Sherlock Street, Birmingham. [*Method, Birmingham.*]

1897. Miyabara, Engineer Rear-Admiral Jiro, I.J.N., Naval Department, Tokyo, Japan.

1896. Moffatt, Alexander Charles, Messrs. Moffatt and Eastmead, Green Street Engineering Works, Blackfriars, London, S.E.

1902. Moffatt, James Adam Scott, Messrs. J. Moffatt and Co., Albert Street, Belfast. [888.]

1898. Molecey, Charles Simpson Twigge, Chief Engineer, Colonial Consignment and Distributing Co., Nelson's Wharf, Commercial Road, Lambeth, London, S.E.

1879. Molesworth, Sir Guilford Lindsay, K.C.I.E., 39 Victoria Street, Westminster, S.W.

1881. Molinos, Léon, 15 Rue Flachat, Paris.

1899. Molloy, Harry James, care of Messrs. William Watson and Co., 8 Hornby Road, Bombay, India.

1905. Money-Kent, Julian Money Vernon, 17 Sloane Street, London, S.W.

1897. Monkhouse, Edward Wyndham, Messrs. Burstall and Monkhouse, 14 Old Queen Street, Westminster, S.W. [*Instructed, London.* 771 *Westminster.*]

1902. Monks, Frederick William, Managing Director, Messrs. Monks, Hall and Co., Warrington.

1884. Monroe, Robert, General Manager, Barry Graving Dock and Engineering Co., Barry Dock, near Cardiff.

1898. Moon, Edgar Rupert, Locomotive Superintendent, Midland Railway of Western Australia, Midland Junction Works, Western Australia: (or care of J. E. Moon, Cloudesleigh, Brixton, near Plymouth.)

1901. Moore, James, Messrs. Ralli Brothers, Karachi, India.

1895. Moore, Thomas Lamb, Messrs. James Moore and Sons, Millfield Foundry, Belfast. [*Moore, Millfield, Belfast.* 466.]

1901. Moore, Walter Launcelot, Engineer Lieut. R.N., H.M.S. "Ocean," China Station.

1903. Moore, William Henry, Calcutta Port Commissioners, 9 Cullen Place, Howrah, Bengal, India.

1895. Moore, William James Perry, New Britain, Conn., United States.

1897. Morcom, Alfred, Managing Director, Messrs. Belliss and Morcom, Ledsam Street, Birmingham. [*Belliss, Birmingham.*]

1880. Moreland, Richard, Messrs. Richard Moreland and Son, 80 Goswell Road, London, E.C. [*Expansion, London.*]

1900. Morgan, Charles Hill, 21 Lincoln Street, Worcester, Massachusetts, United States.

1889. Morgan, David John, The Limes, Downfield, Stroud, Glos.

1887. Morison, Donald Barns, Messrs. T. Richardson and Sons, Hartlepool Engine Works, Hartlepool.

1896. Morley, Herbert William, Messrs. Cole, Marchent and Morley, Prospect Foundry, Bradford. [*Cole, Bradford.* 690.]

1895. Morrin, Richard, 69 Scarisbrick New Road, Southport.

1888. Morris, Charles, care of Messrs. Jessop and Co., 156 Leadenhall Street, London, E.C.

1874. Morris, Edmund Legh, New River Water Works, Finsbury Park, London, N.

1890. Morris, Francis Sanders, 4 Trafalgar Square, London, W.C.

1898. Morris, John, Royal Technical Institute, Salford, Manchester.

1890. Morris, John Alfred (*Life Member*), Empire Engineering Co., Empire Works, Failsworth, Manchester.

1901. Morris, William, care of H. H. M. Fakhruddin, Halsey Road, Cawnpore, India.

1900. Morrison, Gabriel James, 13 Vicarage Gardens, Kensington, London, W.

1903. Morrison, Ralph Percy, Messrs. Tannett, Walker and Co., Goodman Street Works, Hunslet, Leeds.

1902. Mortimore, William, Messrs. Meldrum Brothers, Timperley, Altrincham.

1892. Morton, David Home, 130 Bath Street, Glasgow. [*Counsel, Glasgow.* 4874.]

1900. Morton, Duncan Anderson, Errol Works, Errol, R.S.O., Perthshire.

1904. Motion, Robert, 180 West George Street, Glasgow. [*Motionist, Glasgow.*]

1897. Moule, Frederick Oswald, Messrs. Ruston, Proctor and Co., 46 Queen Victoria Street, London, E.C.

1898. Moulton, Arthur Johnson, Locomotive Department, Midland Railway, Derby.

1858. Mountain, Charles George, 50 Bickerton Road, Highgate, London, N.

1886. Mountain, William Charles, Messrs. Ernest Scott and Mountain, Close Works, Newcastle-on-Tyne [*Esco, Newcastle-on-Tyne.* 1259.]; and South View, Hexham.

1895. Mount-Haes, Andrew, Humboldt Engineering Works Co., 11 Ironmonger Lane, London, E.C. [*Dressings, London.* 272 Central.]

1901. Mowat, Thomas, Works Manager, Messrs. Harpers, Aberdeen.

1884. Mower, George A. (*Life Member*), Sturtevant Engineering Co., 147 Queen Victoria Street, London, E.C. [*Crosby, London.* Bank 509.]

1893. Moylan, William Morgan, care of Messrs. Grindlay and Co., Calcutta, India.

1902. Muckley, William Henry, Superintendent of Works, Corporation Tramways, Lambeth Road Works, Liverpool.

1876. Muirhead, Richard, 66 Parrock Street, Gravesend.

1890. Mumford, Charles Edward, care of Messrs. Mumford and Bicknell, 2 Royal Exchange Buildings, London, E.C.

1897. Munro, Edward May, Messrs. Brecknell, Munro and Rogers, Thrissell Street, Bristol.

1890. Munro, John, Professor of Mechanical Engineering, Merchant Venturers' Technical College, Unity Street, Bristol.

1890. Munro, Robert Douglas, Chief Engineer, Scottish Boiler Insurance and Engine Inspection Co., 111 Union Street, Glasgow. [*Inspector, Glasgow.* 1271.]

1889. Münster, Bernard Adolph, Engineer, Yokohama, Japan.

1901. Münzel, Max, 10 Kleine Campestrasse, Brunswick, Germany.

1890. Murray, Kenneth Sutherland, Brin's Oxygen Works, Elverton Street, Westminster, S.W. [111 Westminster.]

1894. Murray, Thomas Roberts, Managing Director, Messrs. Spencer and Co., Melksham.

1902. Musgrave, Frank Everard, Messrs. John Musgrave and Sons, Globe Iron Works, Bolton. [*Musgrave, Bolton.*].

1899. Musgrave, John Richard, Messrs. Musgrave Brothers, Crown Point Foundry, East Street, Leeds. [1226.]

1882. Musgrave, Walter Martin, Messrs. John Musgrave and Sons, Globe Iron Works, Bolton. [*Musgrave, Bolton.*]

1897. Musker, Arthur, Messrs. C. and A. Musker, Liverpool. [*Fulgor, Liverpool,* Anfield 215.]

1897. Musker, Charles, Messrs. C. and A. Musker, Liverpool. [*Fulgor, Liverpool.* Anfield 215.]

1901. Mutter, William, Superintendent Engineer, Messrs. Bulloch Brothers and Co., Poozoondoung Foundry, Rangoon, British Burma, India.

1901. Myers, Henry Sutcliffe, Messrs. Myers Brothers, Theaker Lane, Armley, Leeds.

1901. Nakajima, Yosohachi, Fleet Engineer, I.J.N., 185 Honmura cho, Azabu, Tokyo, Japan.

1899. Nasbey, George William, Cambrian House, Crouch Street, Banbury.

1888. Nathan, Adolphus, Messrs. Larini Nathan and Co., Milan; and 15 Via Bigli, Milan, Italy.

1896. Naylor, Sam, Messrs. Lumby, Son and Wood, West Grove Works, Greetland, Halifax. [*Lumby, Halifax.* 5 A.]

1898. Naylor, Tom Hyde, Otto-Hilgenstock Coke-Oven Co., 109 Victoria Street, Westminster, S.W.; and 27 Earlsthorpe Road, Sydenham, London, S.E.

1883. Neate, Percy John, Belsize, 5 Watts Avenue, Rochester.

1889. Needham, Joseph Edward, Patent Office, 25 Southampton Buildings, London, W.C.

1902. Neil, Alexander, Palatine Works, Warrington.

1895. Nesbit, David Mein, Messrs. Ashwell and Nesbit, 12 Great James Street, Bedford Row, London, W.C. [*Plenum, London.* Holborn 587]; and Victoria Foundry, Leicester.

1903. Nesbitt, Alexander Walter, Messrs. Yarrow and Co., Isle of Dogs, Poplar, London, E.

1904. Newall, James Maurice, American Line, 27 James Street, Liverpool.

1896. Newell, Ernest, Messrs. Ernest Newell and Co., Stockwith-on-Trent, Gainsborough. [*Woods, Misterton.*]

1897. Newman, Reginald William, Public Works Department, Lady Grey Bridge, Cape Colony.

1902. Newman, William Edwin, Works Manager, Midland and Great Northern Joint Railway, Melton Constable, Norfolk.

1890. Newton, Percy, Meadowlea, Datchet, Windsor.

1898. Newton, Samuel Barton, 25 Change Alley, Sheffield.

1897. Newton, Thomas George, Messrs. W. Summerscales and Sons, Chiswell House, 133 Finsbury Pavement, London, E.C.

1900. Nicholl, John Jeffery, Kroonstad, Orange River Colony, South Africa.

1884. Nicholls, James Mayne, General Manager, Nitrate Railways Co., Iquique, Chili.

1884. Nicholson, Henry, 39 Mayfield Road, Alexandra Park, Manchester.

1894. Nicholson, John Rumney, Tanjong Pagar Dock Co., Singapore, Straits Settlements.

1899. Nicol, Robert Gordon, Harbour Engineer, Aberdeen.

1899. Nisbet, William Holmes, Mutual Life Buildings, Martin Place, Sydney, New South Wales.

1902. Noakes, Thomas Elias, Works Manager, Messrs. Thomas Noakes and Sons, Heneage Street, Spitalfields, London, E.

1886. Noakes, Thomas Joseph, Messrs. Thomas Noakes and Sons, 4 and 5 Osborn Place, Brick Lane, Whitechapel, London, E.

1884. Noakes, Walter Maplesden, 73 Clarence Street, Wynyard Square, Sydney, New South Wales.

1904. Norman, James, Chief Engineer, Messrs. Peek, Frean and Co., Bermondsey, London, S.E.

1892. Norris, William, Lancashire Steam Motor Co., Leyland, Preston.

1868. Norris, William Gregory, Coalbrookdale Iron Works, Coalbrookdale, Shropshire.

1878. Northcott, William Henry, General Engine and Boiler Co., Hatcham Iron Works, Pomeroy Street, New Cross Road, London, S.E.; and 6 Earl's Court Square, London, S.W. [*Oxygen, London.*]

1900. Northey, Percy Wilbraham, The Cottage, Ashtead Park, Surrey.

1898. Nutt, George Beaumont, Chief Mechanical Engineer, Queensland Government Railways, Brisbane, Queensland.

1885. Oakes, Sir Reginald Louis, Bart., Société Anonyme La Métallurgique, 1 Place de Louvain, Bruxelles, Belgium.

1887. O'Brien, Benjamin Thompson, 34 Catharine Street, Liverpool.

1887. O'Brien, John Owden, 6 Bank Street, Manchester. [*Owden, Manchester.*]

1890. Ockendon, William, Messrs. John Brown and Co., Atlas Steel and Iron Works, Sheffield.

1888. O'Donnell, John Patrick, Palace Chambers, 9 Bridge Street, Westminster, S.W.; and Tracey Lodge, Bromley Park, Bromley, Kent. [*ODonnell, London.* Westminster 378.]

1889. Ogden, Fred, Patent Office, 25 Southampton Buildings, London, W.C.

1886. Ogle, Percy John, 4 Bishopsgate Street Within, London, E.C. [*Oglio, London.* Avenue 956.]

1893. Oke, Francis Robert, 5 Coppenhall Terrace, Crewe. [*Oke, Crewe.*]

1875. Okes, John Charles Raymond, 131 Verulam Road, St. Albans.

1901. Oldham, Fred, Messrs. Alexander Oldham and Sons, Johnson Brook Patent Piston Works, Dukinfield. [*Weldless, Dukinfield.* Hyde 8.]

1902. Oldham, George, Messrs. Samuel Oldham and Sons, Framwellgate Engine Works and Foundry, Durham. [*Oldham, Durham.* 3041.]

1900. Oldham, Thomas, Messrs. Alexander Oldham and Sons, Johnson Brook Patent Piston Works, Dukinfield; and Wilton House, St. John's Road, Newport, Mon. [*Weldless, Dukinfield.* Hyde 8.]

1899. Oliver, Thomas, North George Street Iron Works, Salford, Manchester.

1882. Orange, James, Messrs. Danby Leigh and Orange, Hong Kong, China: (or care of Mrs. Mary Orange, 2 West End Terrace, Jersey.)

1899. Orcutt, Harry Fred Lee, Managing Director, Messrs. Clayton and Shuttleworth, Stamp End Works, Lincoln.

1902. Orde, Edwin Lancelot, Sir W. G. Armstrong, Whitworth and Co., Walker Shipyard, Newcastle-on-Tyne.

1885. Ormerod, Richard Oliver, 9 Pagoda Avenue, Richmond, Surrey.

1899. Ormsby, Alfred Stewart Augustus, Patent Office, Staple Inn, Holborn, London, W.C.

1902. Ormsby, Edward Stuart, Huthwaite Hall, Thurgoland, Sheffield.

1897. Orr, Charles Roger, Monifieth, Dundee.

1899. Osborne, Thomas Peter, Assistant Carriage and Wagon Superintendent, Midland Railway, Derby; and The Poplars, Spondon, Derby.

1899. Ottewell, Albert, Brass Foundry, Cotton Lane, Derby. [*Ottewell, Derby.* 51.]

1867. Oughterson, George Blake, Broadway House, 2 Broadway, Westminster S.W.; and 40 Blessington Road, Lewisham, London, S.E.

1897. Outram, Francis Davidson, late R.E., Messrs. Robertson and Outram, 28 Victoria Street, Westminster, S.W. [*Eyebolts, London.*]

1897. Owens, Philip Robert, Messrs. Donaldson and Owens, 8 Albert Buildings, Preeson Row, Liverpool. [*Torpedo, Liverpool.*]

1903. Oxlade, Henry John Wilson, care of Messrs. Heatly and Gresham, Calcutta, India.

1877. Panton, William Henry, Messrs. Dorman Long and Co., Middlesbrough.

1897. Parish, Charles Edward, 4 Park Road, Harlesden, London, N.W.

1898. Park, Charles Archibald, Carriage Superintendent, London and North Western Railway, Wolverton, R.S.O., Bucks.

1891. Parker, Thomas, F.R.S.E., 1B Chapel Street, Edgware Road, London, W. [*Speediest, London.* 321 Mayfair.]

1899. Parker, Thomas Hugh, Newton Lodge, Sandon Road, Birmingham.

1895. Parkinson, Hudson Clough, Engineer's Office, Cumberland Basin, Bristol Docks, Bristol.

1900. Parkinson, Joseph, Canal Iron Works, Shipley, Yorks. [*Temples, Shipley.* 4080.]

1884. Parlane, William, Manager, Hong Kong Ice Company, Hong Kong, China: (or Ladyton Cottage, Bonhill, Dumbartonshire.)

1899. Parrack, William Thomas, Rochester Buildings, 138 Leadenhall Street, London, E.C.

1892. Parratt, William Heather, Rose Hall, Canje Creek, Berbice, British Guiana.

1892. Parrott, Thomas Henry, Fairlight, Westfield Road, Edgbaston, Birmingham.

1886. Parry, Alfred, 12 Inner Temple, Dale Street, Liverpool. [*Revolving, Liverpool.*]

1889. Parry, Evan Henry, Inspector of Machinery, P. O. Box 164, Germiston, Transvaal, South Africa.

1900. Parry-Jones, Richard, Salvage Association, 19 Birchin Lane, London, E.C.; and 32 Thornton Avenue, Streatham Hill, London, S.W.

1878. Parsons, The Hon. Richard Clere, Messrs. Bateman Parsons and Bateman, 39 Victoria Street, Westminster, S.W. [*Outfall, London.*]; and 48 Prince's Gardens, London, S.W.

1904. Partridge, Henry Ralph Champion, General Manager, Bolton Iron and Steel Co., Bolton.

1886. Passmore, Frank Bailey, Suffolk House, 5 Laurence Pountney Hill, London, E.C. [*Knarf, London.*]

1896. Patchell, William Henry, Engineer-in-chief, Charing Cross and Strand Electricity Supply Corporation, 60 St. Martin's Lane, London, W.C. [Gerrard 2807 and 3253.]

1900. Paterson, James Alverne, Engineer Lieut. R.N., 5 Penford Street, Camberwell, London, S.E.

1880. Paterson, Walter Saunders, 27 St. Stephen's Road, Ealing, London, W.

1877. Paton, John McClure Caldwell, Messrs. Manlove Alliott and Co., Bloomsgrove Works, Ilkeston Road, Nottingham. [*Manloves, Nottingham.*]

1881. Patterson, Anthony, Dowlais Iron Works, Cardiff; and 9 Glossop Terrace, Cardiff.

1904. Pattinson, Joseph, Chief Engineer, Alexandra Dock and Railway Co., Newport, Monmouthshire.

1891. Paul, Matthew, Jun., Messrs. Matthew Paul and Co., Levenford Works, Dumbarton.

1872. Paxman, James Noah, Messrs. Davey Paxman and Co., Standard Iron Works, Colchester. [*Paxman, Colchester.*]

1900. Payne, Henry, Professor of Engineering, South African College, Cape Town, Cape Colony.

1880. Peache, James Courthope, Messrs. Willans and Robinson, Victoria Works, Rugby.

1890. Peacock, Francis, care of J. A. W. Peacock, Egyptian Delta Light Railways, Tantah, Egypt.

1890. Peacock, James Albert Wells, Egyptian Delta Light Railways, Tantah, Egypt.

1869. Peacock, Ralph, Messrs. Beyer Peacock and Co., Gorton Foundry, Manchester; and Avon Castle, Ringwood.

1899. Pearce, Standen Leonard, Corporation Electric Light Station, Dickinson Street, Manchester.

1897. Pearce, Thomas, Managing Director, Messrs. Johns and Waygood, Sturt Street, South Melbourne, Victoria.

1884. Pearson, Frank Henry, 27 Scale Lane, Hull. [*Pears, Hull.* 01005.]

1901. Peart, John, Manager, Engineering Department, Darlington Wagon and Engineering Co., Darlington.

1903. Peckett, Thomas, Messrs. Peckett and Sons, Atlas Locomotive Works, Bristol. [*Peckett, Bristol.* 7306.]

1898. Pedley, Heber Isaac, Messrs. Rudge-Whitworth, Rea Street South, Birmingham.

1888. Peel, Charles Edmund, Quay Parade, Swansea.

1899. Peet, James, San Fernando, Trinidad, West Indies.

1898. Peet, William Gadsby, Locomotive Department, Midland Railway, Burton-on-Trent; and 286 Blackpool Street, Burton-on-Trent.

1903. Pendlebury, Charles, The Tangye Tool and Electric Co., Birmingham. [*Argon, Birmingham.*]

1900. Pendred, Vaughan, Crohill, Pendennis Road, Streatham, London, S.W.

1897. Penn, Frederick James, Messrs. Westley Richards and Co., Grange Road, Selly Oak, Birmingham; and Stoneleigh, Selly Park Road, Selly Park, Birmingham.

1873. Penn, William, Messrs. John Penn and Sons, Marine Engineers, Greenwich, London, S.E.

1895. Penn, William Cooper, 25 Victoria Street, Westminster, S.W. [*Penniform, London.* 182 Victoria.]

1874. Pepper, Joseph Ellershaw, Jermyns, Romsey.

1901. Perkins, Charles Clifforde, Messrs. Lester and Perkins, 11 London Street, London, E.C. [*Outwork, London.* Albert Dock 539.]

1904. Perry, William Frederick Suckling, Superintending Engineer, Bombay Burma Trading Corporation, Rangoon, British Burma, India.

1900. Petter, Ernest Willoughby, Messrs. James B. Petter and Sons, 73 Queen Victoria Street, London, E.C. [*Escapable, London.* Bank 973.]

1898. Pettigrew, William Frank, Locomotive Superintendent, Furness Railway, Barrow-in-Furness.

1893. Philip, William Littlejohn, Sherbrooke, Box, Wilts.

1885. Phillips, Charles David, Emlyn Engineering Works, Newport, Monmouthshire. [*Machinery, Newport, Mon.*]

1885. Phillips, Lionel (*Life Member*), Messrs. Wernher, Beit and Co., 1 London Wall Buildings, London, E.C.

1879. Phillips, Robert Edward, 70 Chancery Lane, London, W.C. [*Phicycle, London.* Holborn 1200.]

1902. Phillips, William, Locomotive Department, Great Western Railway, Bristol.

1882. Phipps, Christopher Edward, Locomotive Superintendent, Madras Railway, Perambore Works, Madras, India; and 13 Kenilworth Road, Ealing, London, W.

1900. Pickering, Frank, Electric Light Department, Cape Government Railways, Cape Town, Cape Colony.

1894. Pickering, Jonathan, Baltic Chambers, 50 Wellington Street, Glasgow. [6180.]

1876. Piercy, Henry James Taylor, Messrs. Piercy and Co., Broad Street Engine Works, Birmingham. [*Piercy, Birmingham.* 20.]

1877. Pigot, Thomas Francis, 14 Fitzwilliam Place, Dublin.

1888. Pilkington, Herbert, Sheepbridge Iron Works, Chesterfield.

1900. Pillai, Velu Pillai Devasikhamani, Madras Municipal Commission, Madras, India.

1899. Pilling, Frederick Stott, The Durdans, Kingston Road, Teddington.

1897. Pilling, Henry, National Boiler Insurance Co., 22 St. Ann's Square, Manchester.

1883. Pillow, Edward, Director of Technical Instruction for Norfolk, Shire Hall, Norwich; and The Grange, 104A Thorpe Road, Norwich.

1892. Pinder, Charles Ralph, care of Messrs. Dickeson and Stewart, 94 Queen Victoria Street, London, E.C.

1892. Pirie, George, Royal Laboratory, Royal Arsenal, Woolwich.

1888. Pirrie, The Right Hon. William James, LL.D., Messrs. Harland and Wolff, Belfast.

1883. Pitt, Walter, Messrs. Stothert and Pitt, Newark Foundry, Bath. [*Stothert, Bath.*]

1887. Place, John, Messrs. Wheatley Kirk, Price and Co., 46 Watling Street, London, E.C. [*Indices, London.* Bank 5077.]

1899. Platt, Francis James, Dudbridge Iron Works, Stroud, Gloucestershire.

1903. Platt, Fred, Messrs. Samuel Platt, King's Hill Foundry, Wednesbury. [*Platt, Wednesbury.* 60.]

1903. Platt, Isaiah, Messrs. Samuel Platt, King's Hill Foundry, Wednesbury. [*Platt, Wednesbury.* 60.]

1899. Platt, John, Messrs. Mather and Platt, Salford Iron Works, Manchester; and Hyning, Carnforth.

1878. Platts, John Joseph, Hyndford House, Inglemere Road, Forest Hill, London, S.E.

1898. Platts, William, Messrs. George Turton, Platts and Co., Savile Street, Sheffield. [*Buffer, Sheffield.*]

1869. Player, John (*Life Member*), Clydach Foundry, near Swansea.

1892. Pogson, Alfred Lee, Engineer, Admiralty New Breakwaters, Malta.

1888. Pogson, Joseph, Mayfield, Beechwood Road, Halifax.

1894. Poland, William, Messrs. William Poland and Co., King's Bench Walk, Southwark, London, S.E. [*Determine, London.*]

1893. Pollit, Edward Ernest, Messrs. Pollit and Wigzell, Bank Foundry, Sowerby Bridge.

1894. Pollitt, Harry, Fernlea, Altrincham.

1886. Pollock, James, 3 Lloyds Avenue, London, E.C. [*Specific, London.* 920 Avenue.]

1904. Pollock, Walter, Messrs. James Pollock, Sons and Co., 3 Lloyds Avenue, London, E.C. [*Specific, London.* 920 Avenue.]

1876. Pooley, Henry, Homestead, Liscard, Cheshire.

1898. Pooley, Henry, Jun., Elms Avenue, Lytham.

1901. Poore, George Bentley, Messrs. H. Eckstein and Co., P.O. Box 149, Johannesburg, Transvaal, South Africa.

1902. Pope, William Waller, Hatfield, The Grove, Slough.

1898. Porritt, Louis Alfred, Messrs. William Tatham and Co., Vulcan Works, Rochdale.

1890. Potter, William Henry, Temple Buildings, Albert Street, Nottingham.

1864. Potts, Benjamin Langford Foster, 55 Chancery Lane, London, W.C.; and 117 Camberwell Grove, London, S.E.

1878. Powel, Henry Coke, Cartref, Hoole Road, Chester.

1891. Powles, Henry Handley Pridham, 90 Oakley Street, Chelsea, London, S.W.

1898. Powrie, William, Messrs. Furnival and Co., 32 St. Bride Street, London, E.C. [*Furnival, London.*]

1867. Pratchitt, John, Messrs. Pratchitt Brothers, Denton Iron Works, Carlisle.

1865. Pratchitt, William, Messrs. Pratchitt Brothers, Denton Iron Works, Carlisle.

1885. Pratten, William John, Messrs. Harland and Wolff, Belfast.

1890. Preece, Sir William Henry, K.C.B., F.R.S., 8 Queen Anne's Gate, Westminster, S.W.

1902. Prescott, Walter Henry, Engineer and Chief Surveyor, Tottenham Urban District Council, 712 High Road, Tottenham, London, N. [*Prescott, Lower Tottenham.*]

1882. Presser, Ernest Charles Antoine, Barquillo 26, Madrid.

1903. Price, Alan, Messrs. W. and A. McArthur, 15 Macquarie Place, Sydney, New South Wales.

1877. Price, Henry Sherley, Messrs. Wheatley Kirk, Price and Co., 46 Watling Street, London, E.C. [*Indices, London.* Bank 5077.]

1896. Price, James, Harbour Engineer, 9 Lapp's Quay, Cork.

1890. Price, John, Inspecting Engineer, Workington.

1889. Price, John Bennett, 313 Temple Chambers, Brazennose Street, Manchester; and Wyresdale, Wilbraham Road, Chorlton-cum-Hardy, near Manchester.

1859. Price-Williams, Richard, 6 Queen Anne's Gate, Westminster, S.W. [*Spandrel, London.*]

1886. Price-Williams, Seymour William, 5 Victoria Street, Westminster, S.W.

1896. Pritchard, Hugh, Port Dinorwic Dry Dock, Port Dinorwic, R.S.O., Carnarvonshire; and Cae Gwyn, Port Dinorwic, R.S.O., Carnarvonshire.

1895. Proctor, Charles Faraday, 44 Simonside Terrace, Heaton, Newcastle-on-Tyne.

1894. Pryce, Henry James, Locomotive Superintendent, North London Railway, Bow Road Works, London, E.

1903. Puddephatt, Ernest Orlando, 41 Gathorne Terrace, Roundhay Road, Leeds.

1895. Pugh, Charles Vernon, Radford House, Coventry.

1895. Pullar, Albert Evans, Pullar's Dye Works, Perth.

1887. Pullen, William Wade Fitzherbert, Professor of Mechanical Engineering, South-Western Polytechnic, Manresa Road, Chelsea, London, S.W.; and 4 Marlborough Road, Putney, London, S.W.

1898. Pulman, Thomas Charles, care of Messrs. Grindlay and Co., Calcutta, India.

1884. Puplett, Samuel, 47 Victoria Street, Westminster, S.W.

1887. Pyne, Sir Thomas Salter, C.S.I., Badminton Club, Piccadilly, London, W.

1892. Quentrall, Thomas, H.M. Inspector of Mines, Kimberley, South Africa.

1900. Quirk, William Montague Harley, 6 Mount Ararat Road, Richmond, Surrey.

1870. Radcliffe, William (*Life Member*), 66 Clarkegrove Road, Sheffield. [1485.]

1878. Radford, Richard Heber, 15 St. James' Row, Sheffield. [*Radford, Sheffield.*]

1899. Radley, Bertram Vernon, East Indian Railway, Jamalpur, Bengal, India.

1885. Rainforth, William, Britannia Iron Works, Lincoln. [*Rainforths, Lincoln.*]

1878. Rait, Henry Milnes, Messrs. Rait and Gardiner, 155 Fenchurch Street, London, E.C. [*Repairs, London.*]

1903. Rake, George Arthur, Messrs. Bramwell and Harris, 5 Great George Street, Westminster, S.W.

1892. Ramsay, William, Superintendent Engineer, Scottish Oriental Steamship Co., Hong Kong, China.

1894. Ramsbottom, John Goodfellow, The Beaconsfield, Brookline, Boston, Mass., United States.

1860. Ransome, Allen, Messrs. A. Ransome and Co., Stanley Works, Newark; and Lombard House, Newark.

1886. Ransome, James Edward, Messrs. Ransomes, Sims and Jefferies, Orwell Works, Ipswich. [*Ransomes, Ipswich.* 11.]

1888. Rapley, Frederick Harvey, Pressed Steel Car Co., 24 Broad Street, New York, United States.

1889. Ratcliffe, James Thomas, Baumwoll-Manufactur von Izr. K. Poznanski, Lodz, Russian Poland.

1904. Rateau, Auguste, Professeur à l'École Supérieure des Mines, 105 Quai d'Orsay, Paris.

1893. Raven, Vincent Litchfield, Locomotive Department, North Eastern Railway, Gateshead.

1903. Raworth, John Smith, 2 Queen Anne's Gate, Westminster, S.W.

1904. Read, Henry George, Works Manager, Messrs. M. Helferich-Sadet, Kharkov, South Russia.

1902. Read, John Hudson, Great Western Railway, Newport, Monmouthshire.

1883. Reader, Reuben, Phœnix Works, Cremorne Street, Nottingham.

1887. Readhead, Robert, Messrs. John Readhead and Sons, West Docks, South Shields [*Readhead, South Shields.* G.P.O. 14. Nat. 2024.]; and South Garth, South Shields.

1882. Reay, Thomas Purvis, Messrs. Kitson and Co., Airedale Foundry, Leeds.

1901. Redman, Joseph, Messrs. C. Redman and Sons, Pioneer Iron Works, Halifax.

1903. Redman, Joseph Fell, 38 Leadenhall Street, London, E.C.

1881. Redpath, Francis Robert, Canada Sugar Refinery, Montreal, Canada. [*Redpath, Montreal.*]

1870. Reed, Sir Edward James, K.C.B., F.R.S., Broadway Chambers, Westminster, S.W. [*Carnage, London.*]

1894. Reed, Joseph William, Manager, Engine Works Department, Palmer's Shipbuilding and Iron Works, Jarrow.

1891. Reed, Thomas Alfred, Bute Docks, Cardiff. [*Steam, Cardiff.* 171.]

1901. Reeves, Arthur Robert, 46 Queen Victoria Street, London, E.C.

1902. Reeves, Wilfred, Messrs. Reeves and Bramwell, Kingscourt, Wellington Place, Belfast. [*Century, Belfast.* 1212.]

1897. Reid, Andrew Thomson (*Life Member*), Messrs. Neilson, Reid and Co., Hyde Park Locomotive Works, Glasgow. [*Neilson, Springburn.* Royal 822.]

1891. Reid, Hugh (*Life Member*), Messrs. Neilson, Reid and Co., Hyde Park Locomotive Works, Glasgow. [*Neilson, Springburn.* Royal 822.]

1897. Reid, John (*Life Member*), Messrs. Neilson, Reid and Co., Hyde Park Locomotive Works, Glasgow. [*Neilson, Springburn.* Royal 822.]

1901. Reid, Robert Shaw, 79 West Regent Street, Glasgow. [*Vessel, Glasgow.*]

1889. Rendell, Alan Wood, Westinghouse Brake Co., 82 York Road, King's Cross, London, N.; and 42 Goldhurst Terrace, South Hampstead, London, N.W.

1890. Rendell, Samuel, New Mills, near Stockport.

1859. Rennie, George Banks, 20 Lowndes Street, Lowndes Square, London, S.W.

1902. Renold, Hans, Progress Works, 3 Brook Street, Manchester. [*Driving, Manchester.* 3219.]

1876. Restler, James William, Engineer, Southwark and Vauxhall Water Works, Southwark Bridge Road, London, S.E.

1883. Reunert, Theodore (*Life Member*), Box 432, Kimberley, South Africa; Box 92, Johannesburg, Transvaal, South Africa: (or care of Messrs. Findlay, Durham and Brodie, 110 Cannon Street, London, E.C.)

1895. Rew, James Henry, Ardfern, Victoria Place, Airdrie.

1879. Reynolds, George Bernard, Constitutional Club, Northumberland Avenu London, W.C.

1904. Reynolds, James, The New Engineering and Shipbuilding Works, Shanghai, China.

1898. Reynolds, William Fleck, Messrs. Travers and Co., Britannia Works, Springfield Road, Belfast.

1890. Rice, Thomas Sydney, Aldermary House, 60 Watling Street, London, E.C. [*Ricto, London.*]

1866. Richards, Edward Windsor, Plâs Llecha, Tredunnock, Caerleon, Monmouthshire. [*Windsor Richards, Llangibby.*]

1897. Richards, Henry William Hall, Messrs. W. Richards and Son, Phœnix Iron Works, Leicester. [*Richards, Leicester.* 89.]

1905. Richardson, Charles Ernest, Messrs. Richardson and Blair, A. M. P. Buildings, Wellington, New Zealand.

1892. Richardson, Harry Alfred, Messrs. Hick Hargreaves and Co., Soho Iron Works, Crook Street, Bolton.

1865. Richardson, John, Well Royd, Rawdon, Leeds.

1873. Richardson, John, Lincoln.

1899. Richardson, John Robert, Gowts Bridge, Lincoln.

1891. Richardson, John Scott, Craigard, Lenzie, Glasgow.

1887. Richardson, Sir Thomas, Messrs. T. Richardson and Sons, Hartlepool Engine Works, Hartlepool.

1874. Riches, Tom Hurry, Locomotive Superintendent, Taff Vale Railway, Cardiff.

1897. Richmond, William Frederick, Dumassie, Epsom Downs.

1899. Ride, Samuel, 85 Royal Exchange, Manchester. [*Elevator, Manchester.*]

1899. Rider, John Hall, London County Council Tramways, 303 Camberwell New Road, London, S.E. [Hop 1230.]

1879. Ridley, James Cartmell, Swalwell Steel Works, Newcastle-on-Tyne.

1894. Riley, Joseph Hacking, Elton Iron Works, Bury, Lancashire.

1885. Ripley, Philip Edward, Messrs. Ransomes, Sims and Jefferies, Orwell Works, Ipswich.

1884. Ripper, William, Professor of Mechanical Engineering, Technical Department, University College, St. George's Square, Sheffield.

1902. Riseley, Harry Lorimer, Chief Engineer, Newcastle-on-Tyne Electric Supply Co., Carville Power Station, Wallsend-on-Tyne.

1879. Rixom, Alfred John, 108 Park Road, Loughborough.

1903. Robb, Alexander, Messrs. Harrison and Robb, 21 Scale Lane, Hull. [*Arbitrate, Hull.* 375.]

1899. Roberts, David, General Manager, Messrs. R. Hornsby and Sons, Spittlegate Iron Works, Grantham. [*Hornsbys, Grantham.*]

1903. Roberts, David Evan, 59 Queen Street, Cardiff. [*Formula, Cardiff.* 365.]

1903. Roberts, Harry, Messrs. Roberts Brothers, Dukinfield, Manchester.

1891. Roberts, Hugh Jorwerth, 42 Castle Street, Liverpool. [*Ingenious, Liverpool.*]

1887. Roberts, Thomas, Chief Mechanical Engineer, Government Railways, Adelaide, South Australia.

1902. Robertson, David, General Manager, Federated Engineering Co., Kuala Lumpor, Selangor, Federated Malay States, viâ Straits Settlements.

1892. Robertson, Leslie Stephen, Messrs. Robertson and Outram, 28 Victoria Street, Westminster, S.W. [*Eyebolts, London.*]

1902. Robins, Alban George, Eccleston, Chester.

1899. Robins, George Mead, Gas and Water Engineer, Sutton, Surrey.

1894. Robinson, Charles John, Messrs. Thomas Robinson and Son, Railway Works, Rochdale. [*Robinson, Rochdale.*]

1900. Robinson, Edward Mark, Corridor Chambers, Leicester.

1890. Robinson, Frederick Arthur, Messrs. F. A. Robinson and Co., 54 Old Broad Street, London, E.C. [*Farrago, London.*]

1874. Robinson, Professor Henry, Parliament Mansions, Victoria Street, Westminster, S.W.

1895. Robinson, James, 25 and 27 Leinster Chambers, 4 St. Anne's Square, Manchester; and Ravenscraig, Seaforth, Liverpool.

1898. Robinson, James Armstrong, Stafford Road Works, Great Western Railway, Wolverhampton.

1886. Robinson, John, 8 Vicarage Terrace, Kendal.

1878. Robinson, John Frederick, North British Locomotive Co., 17 Victoria Street, Westminster, S.W.

1891. Robinson, John George, Chief Locomotive Engineer, Great Central Railway, Gorton, Manchester; and Boothdale, Fairfield, Manchester.

1901. Robinson, John James, P.O. Box 377, Durban, Natal.

1899. Robinson, Joseph Drinkwater, R.N.R., Assistant Locomotive Superintendent, West African Government Railways, Sierra Leone, West Africa.

1894. Robinson, Mark Heaton, Messrs. Willans and Robinson, Victoria Works, Rugby [*c/o Willans, Rugby.*]; and 9 Belsize Grove, Hampstead, London, N.W.

1878. Robinson, Thomas Neild, Messrs. Thomas Robinson and Son, Railway Works, Rochdale. [*Robinson, Rochdale.*]

1895. Robinson, William, Professor of Mechanical and Electrical Engineering, University College, Nottingham.

1903. Robinson-Embury, Captain Richard Percy, late R.E., Messrs. Cammell Laird and Co., Ordnance Works, Coventry.

1899. Robson, William Henry, Manager, Messrs. Chance Brothers and Co., near Birmingham.

1872. Rofe, Henry, 8 Victoria Street, Westminster, S.W.

1885. Rogers, Henry John, Watford Engineering Works, Watford. [*Mechanical, Watford.* 35.]

1903. Rogers, Herbert Malcolm, 81 Gracechurch Street, London, E.C.

1902. Rogerson, Thomas Bond, General Manager, Messrs. James Dunlop and Co., Clyde Iron Works, Tolcross, Glasgow. [3659.]

1898. Rolfe, John Herbert Hieron, 12 Mission Row, Calcutta, India.

1892. Ronald, Henry, Chief Superintendent, Messrs. Eley Brothers, Angel Road, Edmonton, London, N.

1898. Roots, James D., Roots Oil Motor and Motor Car Co., Chicheley Street, York Road, London, S.E.

1903. Röper, Anton, Messrs. de Fries and Co., Düsseldorf, Germany.

1889. Rosenthal, James Hermann, Babcock and Wilcox Co., Oriel House, Farringdon Street, London, E.C.

1902. Ross, John, Superintendent Engineer, Leeds and Liverpool Canal Co., Wigan.

1881. Ross, William, Messrs. Ross and Walpole, North Wall Iron Works, Dublin. [*Iron, Dublin.* 311.]

1899. Ross, William, Jun., 27 Thistle Street, Glasgow.

1896. Rothery, William Brockbank, Inspecting Engineer, Hazelmere, Southport.

1898. Rothwell-Jackson, Harry Loxton, Messrs. Jackson and Brother, Wharf Foundry, Bolton. [*Jackson, Bolton.* 34.]

1904. Rought, Charles, Messrs. Galloways, 17 Philpot Lane, London, E.C. [*Rought, London.* 2866 Avenue.]

1893. Rounthwaite, Henry Morrison, Mechanical Engineer to the London County Council, County Hall, Spring Gardens, London, S.W.; and 15 Nicosia Road, Wandsworth Common, London, S.W.

1878. Routh, William Pole, Oakfield, Southern Hill, Reading.

1898. Row, Oliver Matthews, Dalham Engineering Works, Irlam, Manchester.

1888. Rowan, James, Messrs. David Rowan and Son, Elliot Street, Glasgow.

1891. Rowland, Bartholomew Richmond, Holly Bank, Altrincham.

1903. Roy, William, Messrs. Spencer and Co., Melksham.

1898. Royce, Frederick Henry, Messrs. F. H. Royce and Co., Cooke Street, Hulme, Manchester. [*Switch, Manchester.* 772 and 3562.]

1897. Roylance, Arthur Herbert, Haworth's Buildings, 5 Cross Street, Manchester.

1902. Ruthven-Murray, Ethelbert Thomas, Engineer-in-Chief, North Metropolitan Electric Power Supply Co., Taylor's Lane, Willesden, London, N.W.

1902. Rutter, Henry Fillmer, West Middlesex Water Works, Hammersmith, London, W.

1885. Ryan, John, D.Sc., The Manor House, Kensal Green, London, N.W.

1901. Ryder, George Albert, Messrs. Thomas Ryder and Son, Turner Bridge Iron Works, Tonge, Bolton.

1902. Sainty, Christopher, Engineer and Manager, Windsor Corporation Water Works, Tangier Islands, Eton, Windsor. [*Sainty, Eton.* Windsor 0148.]

1903. Sampson, Edward Dudley, District Locomotive Superintendent, Southern Mahratta Railway, Hubli, India: (or care of Messrs. Thomas Cook and Son, Ludgate Circus, London, E.C.)

1874. Sampson, James Lyons, Messrs. David Hart and Co., North London Iron Works, Wenlock Road, City Road, London, N. [*Bascule, London.* King's Cross 733.]

1901. Sams, Joseph Henry, Chatwood's Safe and Lock Co., 76 Newgate Street, London, E.C. [*Chatwoods, London.* 6835.]

1865. Samuelson, The Right Hon. Sir Bernhard, Bart., F.R.S., Britannia Iron Works, Banbury; 56 Prince's Gate, South Kensington, London, S.W.; and Lupton, Brixham, South Devon.

1881. Samuelson, Ernest, Messrs. Samuelson and Co., Britannia Iron Works, Banbury.

1890. Sandberg, Christer Peter, Palace Chambers, Bridge Street, Westminster, S.W.

1899. Sandeman, Edward, Engineer, Derwent Valley Water Board, Bamford, Sheffield.

1881. Sanders, Henry Conrad, Messrs. H. G. Sanders and Son, Victoria Works, Gordon Road, Southall; and 16 Haven Green, Ealing, London, W.

1871. Sanders, Richard David, 5 Kidbrook Grove, Blackheath, London, S.E.

1886. Sandford, Horatio, Messrs. E. A. and H. Sandford, Thames Iron Works, Gravesend.

1881. Sandiford, Charles, C.B., Locomotive Superintendent, Uganda Railway, Mombasa.

1891. Sands, Harold, Craythorne, Tenterden, Ashford, Kent.

1894. Sankey, Captain Matthew Henry Phineas Riall, Messrs. Willans and Robinson, Victoria Works, Rugby. [*c/o Willans, Rugby.*]

1899. Sargeant, Edward Frank, Lower Street, Stroud, Gloucestershire. [*Sargeant, Stroud.* 14.]

1900. Sauvage, Edouard, Professeur à l'Ecole des Mines de Paris et au Conservatoire des Arts et Métiers, Ingénieur en Chef Conseil de la Cie. des Chemins de Fer de l'Ouest, 14 Rue Eugène Flachat (17e arrt), Paris.

1874. Sauvée, Albert, Union Works, 60 Park Street, Southwark, London, S.E. [*Sovez, London.* Hop 213.]

1902. Savage, John Thomas, Messrs. Savage Brothers, St. Nicholas Iron Works, Alexandra Dock, King's Lynn. [*Savage, Lynn.* 9.]

1891. Savill, Arthur Slater, 3 Oak Avenue, Hyde Road, Gorton, Manchester.

1880. Saxby, John, Messrs. Saxby and Farmer, Railway Signal Works, Canterbury Road, Kilburn, London, N.W. [*Signalmen, London.* Kilburn 421]; and North Court, Hassocks, R.S.O., Sussex.

1893. Saxon, Alfred, Openshaw Engineering Works and Examiner Buildings, Manchester. [959 and 3904.]

1894. Saxon, George, Openshaw Engineering Works and Examiner Buildings, Manchester. [959 and 3904.]

1894. Saxon, James, Openshaw Engineering Works and Examiner Buildings, Manchester. [959 and 3904.]

1902. Sayers, Ricardo John Henry, Albion Iron Works, Miles Platting, Manchester.

1869. Scarlett, James, Messrs. E. Green and Son, 2 Exchange Street, Manchester; and Stamford Road, Bowdon, R.O., near Altrincham.

1890. Schofield, George Andrew, The Cottage, Worlington, Soham.
1886. Scholes, William Henry, 1255 Rivadavia, Buenos Aires, Argentine Republic.
1883. Schönheyder, William, 4 Rosebery Road, Brixton, London, S.W. [*Schönheyder, London.*]
1890. Schroller, William, Malton Colliery, Esh, Durham.
1886. Schurr, Albert Ebenezer, Messrs. Fry Miers and Co., Suffolk House, 5 Laurence Pountney Hill, London, E.C.
1891. Scott, Arthur Forbes, 171 Swan Arcade, Bradford.
1882. Scott, Charles Herbert, Messrs. Summers and Scott, High Orchard Iron Works, Gloucester.
1890. Scott, Frederick McClure, 89 Victoria Street, Liverpool.
1881. Scott, James, care of Messrs. Taylor, Wythe and Co., Calle Congallo 318, Buenos Aires, Argentine Republic.
1886. Scott, James, Consett Iron Works, Consett, R.S.O., County Durham.
1894. Scott, Robert, H.M. Mint, Calcutta, India.
1891. Scott, Robert Julian, Professor of Engineering, New Zealand University, Canterbury College, Christchurch, New Zealand.
1861. Scott, Walter Henry, Park Road, East Molesey, Surrey.
1899. Scott, William George, 26 Dingle Lane, Liverpool.
1896. Scriven, Charles, Leeds Old Foundry, Leeds.
1882. Seabrook, Alfred William, 40 Mayfair Avenue, Ilford.
1892. Seaman, Charles Joseph, General Manager, Messrs. Heenan and Froude, Newton Heath Iron Works, near Manchester. [*Spherical, Newton Heath.* 966 A.]
1882. Seaton, Albert Edward, 32 Victoria Street, Westminster, S.W. [*Seaquake, London.* 207 Victoria.]
1893. Segundo, Edward Carstensen de, 267 Dashwood House, New Broad Street, London, E.C. [*Awesome, London.* 2686 Central.]
1891. Selby, Millin, 2 Rue du Lac, Bruxelles, Belgium.
1882. Selfe, Norman, 279 George Street, Sydney, New South Wales.
1884. Sellers, Coleman, E.D., Sc.D., 1301 Stephen Girard Building, Philadelphia, Pennsylvania, United States.
1865. Sellers, William, Pennsylvania Avenue, Philadelphia, Pennsylvania, United States.
1896. Sennett, Alfred Richard, Sennett Laboratory, 304 King's Road, Chelsea, London, S.W.
1903. Severn, William Henry, 9 Bridge Street, Westminster, S.W. [4522 Gerrard.]
1883. Shackleford, Arthur Lewis, General Manager, Britannia Railway-Carriage and Wagon Works, Saltley, Birmingham.
1884. Shackleford, William Copley, Managing Director, Metropolitan Amalgamated Railway Carriage and Wagon Co., Lancaster. [*Wagon, Lancaster.* 18.]

1894. Shand, John, General Manager, Federal Paper Mills Co., Botany, Sydney, New South Wales.

1903. Shanks, Arthur Thornton, Chief Engineer, Hultsdorf Mills, Colombo, Ceylon.

1884. Shanks, William, Messrs. Thomas Shanks and Co., Johnstone, near Glasgow. [*Shanks, Johnstone.*]

1902. Sharman, Philip Alan, 113 Cannon Street, London, E.C.; and 65 Tilehouse Street, Hitchin, Herts. [*Graftonian, London.*]

1897. Sharp, John, Bolton Iron and Steel Works, Bolton. [*Hammer, Bolton.* 161.]

1895. Sharp, John Hutchinson, Messrs. Sharp, Stewart and Co., Atlas Works, Glasgow.

1898. Sharp, Sidney, 34 Victoria Street, Westminster, S.W.

1875. Sharp, Thomas Budworth, Consulting Engineer, Muntz Metal Works, Birmingham; and County Chambers A, Martineau Street, Birmingham. [*Budworth, Birmingham.*]

1897. Sharpley, George Ruston, Messrs. Ruston, Proctor and Co., Sheaf Iron Works, Lincoln.

1881. Shaw, Joshua, Messrs. John Shaw and Sons, Wellington Street Works, Salford, Manchester.

1900. Shaw, Percy Charles William, Tramway Construction Branch, Public Works, Sydney, New South Wales.

1899. Shawcross, George Nuttall, Lancashire and Yorkshire Railway, Horwich, Lancs.

1902. Shawfield, Charles Edwin Campbell, Resident Electrical Engineer, Corporation Electricity Works, Wolverhampton.

1902. Sheffield, George Harrison, 15 New Bridge Street, Newcastle-on-Tyne.

1890. Sheldon, Harry Cecil, Messrs. Boult and Wade, 63 Long Row, Nottingham. [*Boult, Nottingham.* 645.]

1900. Sheldon, William John, Resident Engineer, São Paulo Railway, São Paulo, Brazil.

1899. Shepherd, Richard Lillington, Mount Morgan G. M. Co., Mount Morgan, Queensland.

1875. Sheppard, Herbert Gurney, Inspector General of Stores, Egyptian State Railways, Gabbari, Alexandria, Egypt: (or 89 Westbourne Terrace, Hyde Park, London, W.)

1876. Shield, Henry, Messrs. Fawcett Preston and Co., Phœnix Foundry, 17 York Street, Liverpool.

1888. Shin, Tsuneta, Director, Ishikawajima Shipbuilding and Engineering Co., Tokyo, Japan.

1889. Shone, Isaac, 47 Victoria Street, Westminster, S.W.

1890. Shoosmith, Harry, Wynford, Abbey Wood, Kent.

1903. Short, Alfred, Victoria Engineering Works, Shepstone Street, Durban, Natal.

1893. Shroff, Adurjee Burjorjee, Chief Engineer, Sassoon Spinning Mills, Bombay, India.

1885. Shuttleworth, Alfred, Messrs. Clayton and Shuttleworth, Stamp End Works, Lincoln. [*Claytons, Lincoln.*]

1885. Shuttleworth, Lt.-Colonel Frank, Messrs. Clayton and Shuttleworth, Stamp End Works, Lincoln; and Old Warden Park, Biggleswade. [*Claytons, Lincoln.*]

1899. Sibbering, George Thomas, Engineer, Taff Vale Railway, Cardiff.

1891. Siemens, Alexander (*Life Member*), 12 Queen Anne's Gate, Westminster, S.W.

1898. Sillar, Arthur Molyneux, 2 Queen Anne's Gate, Westminster, S.W.

1897. Sime, William, Superintendent of Works, Messrs. Macfarlane, Lang and Co., Imperial Biscuit Works, Fulham, London, S.W.

1899. Simmance, John Frederick, Messrs. Simmance and Abady, Westminster Works, Earl Street, Westminster, S.W.

1877. Simonds, William Turner (*Life Member*), Messrs. J. C. Simonds and Son, Oil Mills, Boston.

1876. Simpson, Arthur Telford, Engineer, Chelsea Water Works, 38 Parliament Street, Westminster, S.W.

1883. Simpson, Charles Liddell, Messrs. Simpson and Co., 101 Grosvenor Road, Pimlico, London, S.W. [*Aquosity, London.*]

1885. Simpson, James Thomas, Superintending Engineer, Public Works Department, Toungoo, Burma.

1882. Simpson, John Harwood, 1 Hargwyne Street, Brixton, London, S.W.

1902. Simpson, William, Harbour Engineer's Office, Aberdeen.

1903. Sinclair, Herbert, District Locomotive Superintendent, Great Northern Railway, Leeds.

1891. Sinclair, Russell, Messrs. J. Wildridge and Sinclair, 82 Pitt Street, Sydney, New South Wales.

1899. Sirri, Lieut.-Commander M., I.O.N., Engineering Department, Imperial Naval Arsenal, Constantinople.

1881. Sisson, William, Quay Street Iron Works, Gloucester. [*Sisson, Gloucester.*]

1904. Skinner, Arthur, Hadfield's Steel Foundry Co., East Hecla Works, Tinsley, Sheffield.

1902. Slater, James George, Messrs. James Simpson and Co., 101 Grosvenor Road, Pimlico, London, S.W.

1892. Slight, George Henry, Inspector General of Lighthouses, Casilla 812, Valparaiso, Chile: (or care of George H. Slight, Sen., Kendall, Meadfoot Road, Torquay.)

1885. Slight, William Hooper, 64 Cromwell Road, Fitzhugh, Southampton.

1891. Sloan, Robert Alexander, Messrs. Sloan and Lloyd Barnes, 34 Castle Street, Liverpool. [*Technical, Liverpool.* 6080.]

1886. Small, James Miln, 17 Victoria Street, Westminster, S.W.

1897. Smallman, Herbert Spencer, Globe Tube Works, Wednesbury. [*Tubes, Wednesbury.* 6504.]

1900. Smart, Alexander, Erith, S.O., Kent.

1898. Smart, Leslie Sanderson, Locomotive Department, London Brighton and South Coast Railway, Brighton.

1901. Smart, Robert Howie, Messrs. Blake, Barclay and Co., Victoria Works, Greenock. [*Filter, Greenock.* 130.]

1899. Smeddle, John Henry, Assistant Locomotive Superintendent, North Eastern Railway, Darlington.

1889. Smelt, John Dann, River Plate House, Finsbury Circus, London, E.C. [*Smelt, London.* 1000 London Wall.]

1899. Smethurst, William, 97 Bridge Street, Manchester.

1901. Smith, Daniel, Messrs. Daniel Smith and Co., Castle Iron Works, Raglan Street, Wolverhampton. [*Presses, Wolverhampton.* 210.]

1860. Smith, Henry, Messrs. Hill and Smith, Brierley Hill Iron Works, Brierley Hill; and Summerhill, Kingswinford, near Dudley. [*Fencing, Brierley Hill.*]

1881. Smith, Henry, Messrs. Simpson and Co., 101 Grosvenor Road, Pimlico, London, S.W.

1898. Smith, Isaac, Messrs. Sydney Smith and Sons, Basford Brass Works, Nottingham; and Hickling Lodge, near Keyworth, Notts. [*Smiths, Nottingham.* 1537.]

1893. Smith, John, Salford Works, Richard Street, Birmingham. [*Profiler, Birmingham.* 2540.]

1898. Smith, John, Burton Brewery Co., Burton-on-Trent.

1883. Smith, John Bagnold, Westfield House, Sutton-in-Ashfield, Nottingham.

1891. Smith, John Reney, Messrs. H. and C. Grayson, 179 Regent Road, Liverpool.

1898. Smith, John William, Locomotive Department, Midland Railway, Derby.

1870. Smith, Michael Holroyd, 26 Cambridge Street, Pimlico, London, S.W.

1886. Smith, Reginald Arthur, Messrs. Dorman and Smith, Ordsal Station Electrical Works, Salford, Manchester.

1881. Smith, Professor Robert Henry, Trent, 3 Thirlmere Road, Streatham, London, S.W.

1897. Smith, Robert Walker, Works Manager, New Enfield Cycle Co., Hunt End Works, Redditch; and Stoneleigh, Redditch.

1896. Smith, Roger Thomas, 17 Victoria Street, Westminster, S.W.

1897. Smith, Sidney, P.O. Box 1905, Johannesburg, Transvaal, South Africa.

1903. Smith, Lt.-Colonel Stanley George Drew, R.A., Superintendent, Gun Carriage Factory, Jabalpur, Central Provinces, India.

1885. Smith, Thomas, Messrs. Thomas Smith and Sons, Steam and Electric Crane Works, Old Foundry, Rodley, near Leeds. [*Smith, Rodley.* Stanningley 18.]

1898. Smith, Tom Graves, Messrs. Humpidge, Holborow and Co., Dudbridge Iron Works, Stroud, Gloucestershire [*Humpidge, Cainscross.* 7.]; and The Tynings, Stonehouse, Gloucestershire.

1904. Smith, Walter Henry, Engineer's Office, Public Works Department, Caledon Square, Cape Town, Cape Colony.

1898. Smith, Walter Mackersie, Locomotive Department, North Eastern Railway Gateshead.

1881. Smith, Wasteneys, 59 Sandhill, Newcastle-on-Tyne. [*Wasteneys, Newcastle-on-Tyne.* G.P.O. 429; Nat. 2018.]

1890. Smith, William, Manager, Messrs. Pilkington Brothers, British Plate Glass Works, Ravenhead, St. Helens, Lancashire.

1900. Smith, William Hill, Messrs. James Stansfield and Son, 9 Leeds Road, Bradford.

1887. Smith, William Mark, District Locomotive Carriage and Wagon Superintendent, Great Southern and Western Railway, Cork.

1891. Snell, John Francis Cleverton, Borough Electrical Engineer, Central Offices, Town Hall, Sunderland.

1883. Snelus, George James, F.R.S., Ennerdale Hall, Frizington, near Carnforth.

1885. Snowdon, John Armstrong, Stanners Closes Steel Works, Wolsingham, near Darlington.

1897. Snoxell, George Edgar, Globe Works, Bankhall, Liverpool.

1895. Somers, Walter, Haywood Forge, Halesowen, near Birmingham.

1887. Sorabji, Shapurji, Messrs. Shapurjee and Ratanshaw, 77 Finsbury Pavement, London, E.C.

1889. Souter-Robertson, David, Superintendent, Government Canal Foundry and Workshops, Roorkee, North Western Provinces, India.

1885. Southwell, Frederick Charles, Messrs. F. C. Southwell and Co., 75 Southwark Street, London, S.E. [*Prevailing, London.*]

1900. Sparkes, Samuel Hurford, General Manager, Messrs. Fox Brothers and Co., Wellington, Somerset.

1893. Spence, Arthur William, Manager, Cork Street Foundry and Engineering Works, Dublin.

1898. Spence, Wilfrid L., Managing Director, British Electric Plant Co., Alloa.

1887. Spence, William, Cork Street Foundry and Engineering Works, Dublin.

1887. Spencer, Alexander, Messrs. George Spencer, Moulton and Co., 77 Cannon Street, London, E.C. [*George Spencer, London.*]

1878. Spencer, Alfred G., Messrs. George Spencer, Moulton and Co., 77 Cannon Street, London, E.C. [*George Spencer, London.*]

1896. Spencer, Charles James, 11 Hills Place, Oxford Street, London, W. [3317 Gerrard.]

1892. Spencer, Henry Bath, 2 Garrioch Drive, Maryhill, Glasgow. [*Concentration, Glasgow.* 35 Maryhill.]

1877. Spencer, John, Globe Tube Works, Wednesbury; and 14 Great St. Thomas Apostle, London, E.C. [*Tubes, Wednesbury. Tubes, London.* 6504.]

1897. Spencer, John, Atlas Works, Keighley. [*Spencer, Engineer, Keighley.* 118.]

1867. Spencer, John W., Newburn Steel Works, Newcastle-on-Tyne. [*Newburn, Newcastle-on-Tyne.*]

1885. Spencer, Mountford, Messrs. Luke and Spencer, Broadheath, near Manchester; and The Hill, Teignmouth.

1897. Spencer, Thomas Harris, Globe Tube Works, Wednesbury. [*Tubes, Wednesbury.* 6504.]

1891. Spencer, William, Messrs. James Spencer and Co., Chamber Iron Works, Hollinwood, near Manchester.

1885. Spooner, George Percival, 62D Salusbury Road, West Kilburn, London, N.W.

1883. Spooner, Henry John, Director and Professor of Engineering at the Polytechnic School of Engineering, 309 Regent Street, London, W.

1896. Spring, Francis Joseph Edward, C.I.E., Chairman, Harbour Trust Board, Madras, India.

1901. Sprott, Robert Edmund, Bridgewater Collieries and Ellesmere Estates, Walkden, Manchester.

1904. Spurrier, Henry, Managing Director, Lancashire Steam Motor Co., Leyland, Preston. [*Motor, Leyland.* 7.]

1869. Stabler, James, 13 Effra Road, Brixton, London, S.W.

1897. Stagg, William, Avon Street Gas Works, Bristol.

1899. Stamer, Arthur Cowie, District Locomotive Superintendent, North Eastern Railway, York.

1888. Stanley, Harry Frank, Messrs. H. Pontifex and Sons, Farringdon Works, Shoe Lane, London, E.C.; and 11 Albert Mansions, Crouch Hill, London, N.

1888. Stannah, Joseph, Skin Market Place, Bankside, Southwark, London, S.E. [*Lifts, London.* 1365 Hop.]

1884. Stanton, Frederic Barry, Mansion House Chambers, 11 Queen Victoria Street, London, E.C.

1901. Stead, William, Managing Director, Messrs. Browett, Lindley and Co., Sandon Works, Patricroft, Manchester.

1897. Steele, James, Works Manager, Messrs. R. Y. Pickering and Co., Wishaw, near Glasgow.

1901. Steele, Robert, 6 Gracechurch Street, London, E.C. [*Forenoon, London.* Avenue 972.]

1901. Steele, William Russell, Messrs. Burn and Co., Howrah Iron Works, Howrah, Bengal, India.

1901. Stenning, Henry Alexander, Annandale, Strafford Road, Twickenham.

1899. Stephens, Charles Robert, Manager, Messrs. Stephens and Son, Ashfield, Falmouth. [*Stephens, Falmouth.* 10.]

1868. Stephenson, George Robert, Ben Braich, Tilehurst Road, Reading.

1879. Stephenson, Joseph Gurdon Leycester, 33A The Broadway, Hammersmith, London, W. [*Dowell, Broadway, Hammersmith.* Western 140.]

1888. Stephenson-Peach, William John, Kirkleatham, Great Malvern.

1876. Sterne, Louis, Messrs. L. Sterne and Co., Crown Iron Works, Glasgow [*Crown, Glasgow.*]; and Donington House, Norfolk Street, London, W.C. [*Elsterne, London.* Gerrard 1989.]

1898. Stevens, Arthur James, Managing Director, Uskside Iron Works, Newport, Monmouthshire. [*Uskside, Newport, Mon.* P.O. 29; Nat. 53.] (Former Member 1875–1886.)

1891. Stevens, James, 9 and 11 Fenchurch Avenue, London, E.C.

1902. Stevenson, Charles William, Locomotive Superintendent, Companhia Mogyana, Campinas, Brazil.

1887. Stevenson, David Alan, F.R.S.E., 84 George Street, Edinburgh.

1902. Stevenson, Graham Morton, 15 Charles Street, Cardiff.

1898. Stevenson, Hew, Messrs. Crompton and Co., Salisbury House, London Wall, London, E.C.

1903. Stewart, George, Bangkok, Siam.

1904. Still, William, 150 Leadenhall Street, London, E.C.

1880. Stirling, James, Belmore, Ashford, Kent.

1885. Stirling, Matthew, Locomotive Superintendent, Hull Barnsley and West Riding Junction Railway and Dock Co., Hull.

1896. Stirling, Patrick, Great Northern Railway, Doncaster; and The Lodge, Doncaster.

1888. Stirling, Robert, 12 The Avenue, Colchester.

1898. Stirling, Robert, The Anchorage, Dormans Park, East Grinstead.

1898. Stobie, George, Government Harbour Department, Durban, Natal.

1901. Stocker, Percy, Engineer Lieut. R.N., H.M.S. "Essex," 2nd Cruiser Squadron.

1893. Stockton, Joseph Sadler, Managing Director, Carbrook Steel Works, Sheffield; and Beech House, Whiteley Woods, Sheffield.

1902. Stodola, Aurel, Professor of Mechanical Engineering, École Polytechnique Fédérale, Zürich, Switzerland.

1887. Stone, Frank Holmes, G.P.O., Freetown, Sierra Leone.

1894. Stone, Sidney, 75 Finsbury Pavement, London, E.C.

1903. Storey, Percival, Electrical Engineer, Electricity Works, Torquay.

1901. Stormont, Peter Campbell, 125 Hamilton Place, Aberdeen.

1877. Stothert, George Kelson, Steam Ship Works, Bristol.

1892. Strachan, John, Craigisla, Penylan, Cardiff.

1888. Straker, Sidney, 9 Bush Lane, Cannon Street, London, E.C. [*Rhomboidal, London.* Bank 5200.]

1904. Stratton, John, Chief Mechanical Engineer, Messrs. W. T. Glover and Co., Trafford Park, Manchester.

1897. Strickland, Frederic, 2 Southfield Gardens, Strawberry Hill, Twickenham.

1895. Stromeyer, Johann Philipp Edmond Charles, Manchester Steam Users' Association, 9 Mount Street, Manchester.

1899. Stubbs, Joseph Hetherington, Mill Street Works, Ancoats, Manchester. [*Winding, Manchester.*]

1903. Sturgess, Archibald Thomas, Messrs. Sturgess and Foley, 52 Alcala, Madrid, Spain.

1890. Stutzer, Waldemar, Koltchugin Brass and Copper Mill Co., Alexandrov Station, Jaroslav Railroad, Russia.

1882. Sugden, Thomas, 180 Fleet Street, London, E.C. [Holborn 186.]

1890. Sulzer, Jacob, Messrs. Sulzer Brothers, Winterthur, Switzerland.

1861. Sumner, William, Butt Hill, Prestwich, Manchester.

1899. Surtees, Henry Wardale, Parker Foundry Co., Derby.

1875. Sutcliffe, Frederic John Ramsbottom, 52 Ash Grove, Bradford.

1883. Sutton, Joseph Walker, 36 Bedford Street, Strand, London, W.C.

1882. Swaine, John, Publow Vicarage, Pensford, Bristol.

1884. Swan, Sir Joseph Wilson, F.R.S., 57 Holborn Viaduct, London, E.C.; and 58 Holland Park, London, W.

1898. Swasey, Ambrose, Messrs. Warner and Swasey, Cleveland, Ohio, United States.

1903. Swift, John Crane, Messrs. Thompson Brothers, 155 Fenchurch Street, London, E.C.

1897. Swinburne, George, 99 Queen Street, Melbourne, Victoria.

1898. Swinburne, James, 82 Victoria Street, Westminster, S.W. [Westminster 292.]

1882. Swinburne, Mark William, Wallsend Brass Works, Newcastle-on-Tyne; and The Cottage, Jesmond Park East, Newcastle-on-Tyne. [*Bronze, Wallsend.*]

1901. Swinburne, William, Manager, Melbourne Hydraulic Power Co., 99 Queen Street, Melbourne, Victoria.

1864. Swindell, James Swindell Evers, Homer Hill, Cradley, Staffordshire.

1898. Swingler, Alfred, Messrs. Eastwood, Swingler and Co., Victoria and Railway Iron Works, Derby. [*Swingler, Derby.* 150.]

1900. Taggart, William Scott, Gleadale, Warwick Road, Hale, Altrincham.

1878. Taite, John Charles, New Taite Howard Pneumatic Tool Co., 63 Queen Victoria Street, London, E.C. [6925 Central.]

1901. Talbot, Benjamin, Westminster Chambers, East Parade, Leeds. [*Talco, Leeds.* 975.]

1875. Tangye, George, Messrs. Tangyes, Cornwall Works, Soho, near Birmingham. [*Tangyes, Birmingham.*]

1889. Tangye, Harold Lincoln, Messrs. Tangyes, Cornwall Works, Soho, near Birmingham.

1861. Tangye, James, Messrs. Tangyes, Cornwall Works, Soho, near Birmingham; and Aviary Cottage, Illogan, near Redruth.

1885. Tangye, John Henry, Messrs. Tangyes, Cornwall Works, Soho, near Birmingham.

1895. Tannett, John Croysdale, Messrs. Fullerton, Hodgart and Barclay, Vulcan Works, Paisley.

1891. Tannett-Walker, Arthur Tannett, Messrs. Tannett Walker and Co., Goodman Street Works, Hunslet, Leeds.

1899. Taplin, John Minter, Vulcan Boiler and General Insurance Co., 12 Alloa Road, Chadwell Heath, R.S.O., Essex.

1879. Tartt, William, Maythorn, South Godstone, Surrey.

1876. Taunton, Richard Hobbs, 10 Coleshill Street, Birmingham.

1874. Taylor, Arthur, Manager, Sociedad Minera Dos Naciones, Posados, Cordoba, Spain.

1900. Taylor, Charles Gerald, Engineer Commander R.N., Royal Naval College, Osborne, I.W.

1898. Taylor, Edward, Jun., Messrs. Thomas and Taylor, 80 Lower Hillgate, Stockport.

1900. Taylor, Edward Brough, 27 Great George Street, Westminster, S.W.

1884. Taylor, Joseph, Holme Lea, Tatton Road North, Heaton Moor, near Stockport.

1875. Taylor, Joseph Samuel, Messrs. Taylor and Challen, Derwent Foundry, 60 and 62 Constitution Hill, Birmingham. [*Derwent, Birmingham.*]

1874. Taylor, Percyvale, 17 Ashburn Place, South Kensington, London, S.W.

1893. Taylor, Robert, Jun., Works Manager, Messrs. Asa Lees and Co., Soho Iron Works, Oldham.

1882. Taylor, Robert Henry, Stanton Villa, 230 Lewisham High Road, St. John's, London, S.E.

1894. Taylor, William, Messrs. Taylor, Taylor and Hobson, Stoughton Street Works, Leicester. [*Lenses, Leicester.* 134.]

1901. Taylor, William, Messrs. Taylor Brothers, Midland Engineering and Foundry Works, Sandiacre, near Nottingham. [*Taylor Bros., Sandiacre.* 1635.]

1902. Taylor, William, Superintending Engineer, Messrs. Swift and Co., 30 Campbell Street, Bootle, Liverpool.

1896. Taylor, William Isaac, Messrs. Clarke, Chapman and Co., 50 Fenchurch Street, London, E.C.

1895. Tebbutt, Sidney, Bagenholt, Northlands Road, Southampton.

1904. Templer, Henry Lethbridge, Resident Engineer, Jumpers Deep, Cleveland, Johannesburg, Transvaal, South Africa.

1864. Tennant, Sir Charles, Bart. (*Life Member*), The Glen, Innerleithen, near Edinburgh.

1882. Terry, Stephen Harding, 17 Victoria Street, Westminster, S.W.

1891. Tetlow, Ernest, Messrs. Tetlow Brothers, Bottoms Iron Works, Hollinwood, near Manchester.

1899. Thackeray, Thomas, Messrs. Vickers, Sons and Maxim, Barrow-in-Furness.

1877. Thom, William, Messrs. Yates and Thom, Canal Foundry, Blackburn.

1904. Thomas, Fred Whittaker, Chief Engineer, Messrs. John Crossley and Sons, Halifax.

1896. Thomas, James Martin, Superintending Engineer, Boston and Dominion Lines of Steamers; 15 Pembroke Road, Bootle, Liverpool.

1900. Thomas, John Frederick Ivor, Municipal Electric Lighting Works, Johannesburg, Transvaal, South Africa.

1867. Thomas, Joseph Lee, 2 Hanover Terrace, Ladbroke Square, Notting Hill, London, W.

1897. Thomas, Lewis Richard, Great Western Railway Works, Swindon; and Highmead, 149 Cromwell Road, Bristol.

1900. Thompson, George William, Chief Engineer, Messrs. Harrods, Brompton Road, London, S.W.; and 11 Gunterstone Road, West Kensington, London, W.

1875. Thompson, John, Highfield Boiler Works, Ettingshall, Wolverhampton. [*Boiler, Wolverhampton.*]

1903. Thompson, John, Harbour Engineer, Dundee.

1900. Thompson, John Robert, 10 West Twenty-third Street, New York, United States; and Talbot House, Knowle, Bristol.

1883. Thompson, Richard Charles, Messrs. Robert Thompson and Sons, Bridge Dockyard, Sunderland.

1887. Thompson, William Phillips, 6 Lord Street, Liverpool. [*Patent, Liverpool.* 1605.]

1900. Thomson, George, Natal Government Harbour Works, Port Natal, South Africa.

1904. Thomson, George, 22 Rutland Square, Edinburgh.

1868. Thomson, John, 3 Crown Terrace, Dowanhill, Glasgow.

1893. Thornbery, William Henry, 32 Paradise Street, Birmingham. [*Thornbery, Birmingham.* 1989.]

1898. Thorneley, William, Works Manager, Great Central Railway, Gorton, Manchester.

1868. Thornewill, Robert, Messrs. Thornewill and Warham, Burton Iron Works, Burton-on-Trent.

1885. Thornley, George, Messrs. Buxton and Thornley, Waterloo Engineering Works, Burton-on-Trent.

1877. Thornton, Frederic William, The Hydraulic Engineering Co., Chester.

1882. Thornton, Hawthorn Robert, Sandilli House, Uitenhage, Cape Colony.

1876. Thornycroft, Sir John Isaac, LL.D., F.R.S., Messrs. John I. Thornycroft and Co., Church Wharf, Chiswick, London, W. [*Thornycroft, London.* 7306.]

1882. Thow, William, Chief Mechanical Engineer, New South Wales Government Railways, Eveleigh, Sydney, New South Wales: (or care of Joseph Meilbek, 13 Victoria Street, Westminster, S.W.)

1895. Threlfall, George, Savage Club, 6 Adelphi Terrace, Strand, London, W.C.

1898. Ticehurst, Hugh Gorham, Thames Ammunition Works, Erith, S.O., Kent; and Telham, Freta Road, Bexley Heath, Kent.

1885. Timmermans, François, Managing Director, Société anonyme des Ateliers de la Meuse, Liége, Belgium. [*Société Meuse, Liége.*]

1884. Timmis, Illius Augustus, 2 Great George Street, Westminster, S.W. [*Timmis, London.*]

1890. Titley, Arthur, Beechwood, Hartopp Road, Four Oaks, Sutton Coldfield, near Birmingham.

1875. Tomkins, William Steele, Broughton House, near Stockbridge, Hants.

1894. Touch, John Edward, Throgmorton House, 15 Copthall Avenue, London, E.C. [9691 London Wall.]

1889. Towler, Alfred, Messrs. Hathorn Davey and Co., Sun Foundry, Leeds.

1890. Trail, John, Marine Superintendent, Knott's Prince Line of Steamers, Newcastle-on-Tyne; and 21 Grosvenor Place, Newcastle-on-Tyne.

1901. Travers, Ernest James, Messrs. Travers and Co., Britannia Works, Belfast.

1888. Travis, Henry, Superintending Engineer and Constructor of Shipping to the War Department, Royal Dockyard, Woolwich.

1889. Treharne, Gwilym Alexander, 18 Canon Street, Aberdare. [*Treharne, Aberdare.* 18.]

1883. Trentham, William Henry, 39 Victoria Street, Westminster, S.W.

1876. Trevithick, Richard Francis, P.O. Box 35, Kobe, Japan: (or care of Mrs. Mary Trevithick, The Cliff, Penzance.)

1887. Trier, Frank, Messrs. Brunton and Trier, 1 Great George Street, Westminster, S.W.

1896. Trotter, Alexander Pelham, Board of Trade, 8 Richmond Terrace, Whitehall, London, S.W.

1901. Tullis, David Kiel, Messrs. D. and J. Tullis, Kilbowie Iron Works, near Glasgow. [*Tullis, Clydebank.*]

1903. Tully, William, 16 Water Lane, Great Tower Street, London, E.C. [*Glist, London.* 975 Central.]

1887. Turnbull, Alexander, Messrs. Alexander Turnbull and Co., St. Mungo Works, Bishopbriggs, Glasgow. [*Valve, Glasgow.* Royal 4394.]

1904. Turnbull, William Lawrie, Messrs. John Turnbull, Jun., and Sons, 190 West George Street, Glasgow. [*Turbine, Glasgow.* 861 Corporation.]

1894. Turner, Albert, Whitehouse Machine Works, Denton, near Manchester. [*Machines, Denton.* 205.]

1897. Turner, Alfred, Works Manager, Messrs. George Jones, Lionel Street, Birmingham.

1866. Turner, Frederick, Messrs. E. R. and F. Turner, St. Peter's Iron Works, Ipswich. [*Gippeswyk, Ipswich.*]

1882. Turner, Thomas, Messrs. Andrew Barclay, Sons and Co., Caledonia Works, Kilmarnock. [*Barclayson, Kilmarnock.* 10.]

1876. Turney, Sir John, Messrs. Turney Brothers, Trent Bridge Leather Works, Nottingham. [*Turney, Nottingham.*]

1899. Turton, William Henry, 220 Burrage Road, Plumstead.

1882. Tweedy, John, Messrs. Wigham Richardson and Co., Newcastle-on-Tyne.

1897. Twelvetrees, Walter Noble, 47 Victoria Street, Westminster, S.W.; and 91 Louisville Road, Tooting, London, S.W.

1902. Twinberrow, James Denis, 15 New Bridge Street, Newcastle-on-Tyne.

1856. Tyler, Sir Henry Whatley, K.C.B., Linden House, Highgate Road, London, N.W.

1903. Ullmann, William Charles, Engineer, East Ham Council, Electric Lighting and Tramways Department, Nelson Street, East Ham, London, E.; and 20 Forest Drive, Manor Park, London, E.

1896. Umney, Herbert Williams, 19 Sylvan Road, Upper Norwood, London, S.E.

1899. Unsworth, Herbert George, The Cliff, Railway Avenue, Colombo, Ceylon.

1904. Unsworth, Robert Harry, Works Manager, Messrs. Ransomes and Rapier, Waterside Iron Works, Ipswich; and Willoughby Road, Ipswich.

1898. Urie, Robert Wallace, London and South Western Railway, Nine Elms, London, S.W.

1899. Urie, William Montgomerie, Works Manager, Caledonian Railway, St. Rollox, Glasgow.

1898. Urwick, Arthur John, The Nevile Engineering Co., Worcester.

1880. Valon, William Andrew McIntosh, 140 and 141 Temple Chambers, Temple Avenue, London, E.C.; and Ramsgate. [*Valon, Ramsgate.*]

1895. Van Raalte, Joseph, General Manager, Royal Shipbuilding and Engineering Works, Flushing, Holland. [*Schelde, Flushing.*]

1901. Vaughan, Cedric, Managing Director, Hodbarrow Mining Co., Millom, R.S.O., Cumberland; and Leyfield, Millom, R.S.O., Cumberland.

1904. Vaughan, Henry Hogue, Superintendent of Motive Power, Canadian Pacific Railway, Montreal, Canada.

1901. Vaughan, John Alfred, Chief Inspector of Machinery, P.O. Box 1104, Johannesburg, Transvaal, South Africa.

1885. Vaughan, William Henry, Royal Iron Works, West Gorton, Manchester. [*Vaunting, Manchester.* 5106.]

1897. Vaux, Walter, 17 Rhyddings Road, Ilkley.

1862. Vavasseur, Josiah, 28 Gravel Lane, Southwark, London, S.E.; and Rothbury, Blackheath Park, London, S.E. [*Exemplar, London.*]

1900. Veen, Vernon Alfred Alexander ter, Engineer Lieut. R.N., H.M.S. "Bedford," care of Postmaster-General, London, E.C.

1899. Vernon, Charles Edward, London and India Docks Joint Committee, 109 Leadenhall Street, London, E.C.

1902. Vernon, Percy Venables, Messrs. Alfred Herbert, Coventry.

1889. Vesian, John Stuart Ellis de, care of L. G. Mouchel, 38 Victoria Street, Westminster, S.W.

1865. Vickers, Albert, Messrs. Vickers, Sons and Maxim, River Don Works, Sheffield.

1861. Vickers, Thomas Edward, C.B., Messrs. Vickers, Sons and Maxim, River Don Works, Sheffield.

1856. Waddington, John, 35 King William Street, London Bridge, London, E.C. [Bank 518.]

1899. Waddington, Richard, 35 King William Street, London Bridge, London, E.C. [Bank 518.]

1898. Waddle, Hugh William, Managing Director, Waddle Patent Fan and Engineering Co., Llanmore Works, Llanelly.

1901. Wadia, Nusserwanjee Nowrosjee, Messrs. Nowrosjee Wadia and Sons, Bombay, India; and Bella Vista, Cumballa Hill, Bombay, India.

1903. Waight, John, Messrs. S. C. Farnham, Boyd and Co., Pootung, Shanghai, China.

1902. Wainford, Richard Hanbury, 19 Woodhouse Villas, Stoke-on-Trent.

1898. Wainwright, John William, Parliament Mansions, Victoria Street, Westminster, S.W. [*Retocar, London.* 5323 Westminster.]

1888. Waister, William Henry, Locomotive and Carriage Running Department, Great Western Railway, Swindon.

1881. Wake, Henry Hay, Engineer to the River Wear Commission, Sunderland.

1882. Wakefield, William, 123 Rathgar Road, Dublin.

1892. Waldron, Patrick Lawrence, R.N.R., 24 St. Joseph's Road, Aughrim Street, Dublin.

1898. Walke, Charles Nicholas Eves, Inspector of Steam Boilers, Town Custom House, Bombay, India.

1890. Walkeden, George Henry, Abbontiakoon (Wassaw) Mines, Ltd., Tarkwa, via Sekondi, Gold Coast Colony.

1902. Walker, Edwin Robert, Messrs. Walker Brothers, Pagefield Iron Works, Wigan. [*Pagefield, Wigan.* 14.]

1898. Walker, Frederic James, General Manager, St. James' and Pall Mall Electric Light Co., Carnaby Street, Golden Square, London, W. [*Licensable, London.* Gerrard 5082.]

1890. Walker, Henry, 9 Gladstone Terrace, Gateshead.

1894. Walker, Henry Claude, Messrs. R. Waygood and Co., Falmouth Road, Great Dover Street, London, S.E. [*Waygood, London.* Hop 760.]

1875. Walker, John Scarisbrick, Messrs. Walker Brothers, Pagefield Iron Works, Wigan; and 15 Park Crescent, Southport. [*Pagefield, Wigan.* 14.]

1902. Walker, Percy, Works Manager, Messrs. Callender's Cable and Construction Co., Belvedere, S.O., Kent.

1884. Walker, Sydney Ferris, Bloomfield Crescent, Bath.

1876. Walker, Thomas Ferdinand, Ship's Log Manufacturer, 58 Oxford Street, Birmingham.

1890. Walker, William George, 47 Victoria Street, Westminster, S.W.

1878. Walker, Zaccheus, Jun., Fox Hollies Hall, near Birmingham.

1897. Wall, Charles Henry, 27 Curzon Chambers, Paradise Street, Birmingham.

1884. Wallace, John, Backworth Collieries, near Newcastle-on-Tyne.

1902. Wallace, John Crawford, Messrs. James Robertson and Sons, Ravensbourne Works, Catford, London, S.E.

1895. Wallace, Joseph, St. Fillans, Princestown, Trinidad.

1884. Wallau, Frederick Peter, Superintendent Engineer, Union Steam Ship Co., Southampton.

1901. Waller, William, 28 to 32 Vauxhall Walk, London, S.E. [*Stampings, London.* Hop 1423.]

1904. Wallis, George Pearson, Managing Director, Queen's Engineering Works, Leeds.

1868. Wallis, Herbert, 239 Drummond Street, Montreal, Canada.

1893. Wallwork, Roughsedge, Union Bridge Iron Works, Charter Street, Manchester.

1891. Walmsley, John, General Manager, Messrs. J. and P. Coats, Ferguslie Thread Works, Paisley.

1865. Walpole, Thomas, Windsor Lodge, Monkstown, Co. Dublin.

1881. Warburton, John Seaton, 19 Stanwick Road, West Kensington, London, W.

1901. Ward, John, Superintendent Engineer, Amazon Steam Navigation Co., Para, North Brazil.

1902. Ward, Sydney Asline, Broad Street Lane, Park, Sheffield. [*Metallic, Sheffield.* 1547.]

1864. Warden, Walter Evers, Phœnix Bolt and Nut Works, Handsworth, R.O., near Birmingham. [*Bolts, Birmingham.*]

1882. Wardle, Edwin, Messrs. Manning Wardle and Co., Boyne Engine Works, Hunslet, Leeds. [*Manning, Leeds.*]

1904. Warlow, Frederick Arthur, Messrs. Edgar Allen and Co., Imperial Steel Works, Sheffield. [*Allen, Sheffield.*]

1886. Warren, Frank Llewellyn, 120 Fenchurch Street, London, E.C. [*Vibroscope, London.* 9423 Central.]

1899. Warren, Frederick Fridlezius, Managing Director, Messrs. Ross and Walpole, North Wall Iron Works, Dublin. [*Iron, Dublin.* 311.]

1885. Warren, William, 9 Rue de Belgique, Tunis, North Africa.

1897. Warren, William, Works Manager, Southwick Engine Works, near Sunderland.

1901. Warriner, Robert, Manager, Thames Engineering Works, Greenwich, London, S.E.

1889. Warsop, Thomas, Coniston Copper Mines, Coniston, R.S.O., Lancashire.

1900. Watchurst, Charles Leese, 87 Finsbury Pavement, London, E.C.

1881. Watkins, Alfred, 58 Fenchurch Street, London, E.C.

1902. Watkinson, Frederick George, Chief Engineer, Messrs. Thomas De La Rue and Co., 110 Bunhill Row, London, E.C.

1890. Watkinson, William Henry, Professor of Motive Power Engineering, Glasgow and West of Scotland Technical College, 38 Bath Street, Glasgow.

1900. Watney, Thomas Savile, 32–34 Greek Street Chambers, Park Row, Leeds. [*Energy, Leeds.* 2229.]

1893. Watson, George, 39 Victoria Street, Westminster, S.W. [*Meterage, London.*]

1900. Watson, George, Managing Director, Horsfall Destructor Co., Lord Street Works, Whitehall Road, Leeds. [*Destructor, Leeds.* 2006.]

1890. Watson, George Coghlan, Manganese Bronze and Brass Co., St. George's Wharf, Deptford, London, S.E.; and 18 Lennard Road, Croydon.

1882. Watson, Henry Burnett, Messrs. Henry Watson and Son, High Bridge Works, Newcastle-on-Tyne. [*Watsons, Newcastle-on-Tyne.* 6517.]

1896. Watson, James Falshaw, 15 Shaw Lane, Headingley, Leeds. [*Inspection, Leeds.*]

1903. Watson, John, Chief Engineer, Pearson and Knowles Coal and Iron Co., Warrington.

1897. Watson, John B., Manager, British Uralite Works, Higham, Rochester; and King's Farm House, Lower Shorne, Gravesend.

1897. Watson, Thomas John, 32 Grainger Street West, Newcastle-on-Tyne.

1902. Watson, William Cummings, Messrs. R. and W. Hawthorn, Leslie and Co., Forth Banks Works, Newcastle-on-Tyne.

1904. Watt, Adam, 1 St. Nicholas Buildings, Newcastle-on-Tyne.

1877. Watts, John, 8 Nelson Street, Bristol.

1902. Watts, Philip, F.R.S., Director of Naval Construction, Admiralty, Whitehall, London, S.W.

1902. Way, Edward John, care of Messrs. Farrar Brothers, 54 Old Broad Street, London, E.C.

1897. Wearing, John Evenden, Swan Buildings, Edmund Street, Birmingham.

1886. Weatherburn, Robert, Locomotive Manager, Midland Railway Works, Kentish Town, London, N.W.

1894. Webb, Henry, Messrs. Joseph Webb and Co., Irwell Forge and Rolling Mills, Bury, Lancashire.

1884. Webb, Richard George, Messrs. Richardson and Cruddas, Byculla Iron Works, Bombay, India: (or care of Messrs. Richardson and Hewett, 101 Leadenhall Street, London, E.C.)

1901. Webb, Thomas Henry, Works Manager, Messrs. Robertson and Orchar, Wallace Foundry, Dundee.

1901. Webster, Francis John, Locomotive Department, Great Northern Railway, Doncaster.

1890. Webster, John James, 39 Victoria Street, Westminster, S.W.

1887. Webster, William, Gresham House, Battery Road, Singapore, Straits Settlements.

1891. Weightman, Walter James, care of Messrs. King, King and Co., Bombay, India.

1888. Wellman, Samuel T., Wellman-Seaver-Morgan Engineering Co., Cleveland, Ohio, United States.

1898. Wells, George James, 138 Marslands Road, Brooklands, Sale, Manchester.

1886. Wesley, Joseph A., Clarke's Crank and Forge Works, Lincoln.

1882. West, Charles Dickinson, Professor of Mechanical Engineering, Imperial College of Engineering, Tokyo, Japan.

1895. West, Charles Herbert, Messrs. Henry H. West and Son, 5 Castle Street, Liverpool. [*Referee, Liverpool.* Central 5223.]

1898. West, Ernest Henry, Messrs. H. J. West and Co., Stamford Works, Southwark Bridge Road, London, S.E. [*Copperworm, London.* Hop 879.]

1876. West, Henry Hartley, Messrs. Henry H. West and Son, 5 Castle Street, Liverpool. [*Referee, Liverpool.* Central 5223.]

1894. West, John, Albion Iron Works, Miles Platting, Manchester.

1891. West, Leonard, Ravenhead Plate Glass Works, St. Helens, Lancashire.

1874. West, Nicholas James, Messrs. Nicholas J. West and Sons, 186 Gresham House, Old Broad Street, London, E.C. [*Unlapped, London.*]

1877. Western, Charles Robert, Broadway Chambers, Westminster, S.W. [*Donbowes, London.* Westminster 199.]

1877. Western, Maximilian Richard (*Life Member*), 73 Inverna Court, Kensington High Street, London, W.

1902. Westgarth, Tom, Managing Director, Messrs. Richardsons, Westgarth and Co., Middlesbrough. [*Westgarth, Middlesbrough.* 202.]

1895. Westmacott, Henry Armstrong, Messrs. John Spencer and Sons, Newburn Steel Works, Newcastle-on-Tyne.

1862. Westmacott, Percy Graham Buchanan, Sir W. G. Armstrong, Whitworth and Co., Elswick Engine Works, Newcastle-on-Tyne; and Rose Mount, Sunninghill, Ascot.

1880. Westmoreland, John William Hudson, Lecturer on Engineering, University College, Nottingham.

1903. Weston, Thomas Wilson, Messrs. Joseph Watson and Sons, Whitehall Soap Works, Leeds.

1888. Weyman, James Edwardes, Brae Lea, 26 Kilmaurs Road, Edinburgh.

1900. Whale, George, Chief Mechanical Engineer, London and North Western Railway, Crewe.

1896. Wheeler, Percy, General Manager, Oldbury Railway-Carriage and Wagon Works, Oldbury, near Birmingham. [*Carriage Co., Oldbury.*]

1898. Whitaker, Alfred, Resident Locomotive Superintendent, Somerset and Dorset Joint Railway, Highbridge, R.S.O., Somersetshire.

1894. Whitby, Arthur George, Amberwood, Bitterne Park, Southampton.

1882. White, Alfred Edward, City Engineer, Hull.

1901. White, Alfred Francis, Superintendent Engineer, Nippon Yusen Kaisha, Tokyo, Japan.

1901. White, Robert, 3 Victoria Street, Westminster, S.W.

1888. White, Sir William Henry, K.C.B., LL.D., D.Sc., F.R.S., late Assistant Controller of the Navy and Director of Naval Construction, Cedarcroft, Bristol Gardens, Putney Heath, London, S.W.

1900. Whitehead, Arthur, Messrs. James Armstrong and Co., 116 Queen Victoria Street, London, E.C. [*Tolamaco, London.* 1476 Central.]

1901. Whitehead, Thomas, Broughton Copper Works, Manchester.

1902. Whitehead, Thomas Ross, Resident Engineer and Manager, Coventry Electric Tramways, Coventry.

1890. Whitehouse, Edwin Edward Joseph, Monkbridge Iron Works, Leeds.

1900. Whitmore, Frank Leonard, Messrs. Fraser and Chalmers, Erith, S.O., Kent.

1902. Whittaker, Frederick William, Chief Engineer, Bradford Dyers' Association, 39 Well Street, Bradford.

1891. Whittaker, John, Messrs. William Whittaker and Sons, Sun Iron Works, Oldham.

1897. Whittell, Alfred Leighton, Surveyor, Lloyd's Register, 15 Bank Street, Fort, Bombay, India.

1903. Wicks, Gerald Hamilton, 6a Calle de los Aztecas No. 5, Puebla, Mexico.

1878. Wicks, Henry, 7 Kent Terrace, Regent's Park, London, N.W.

1897. Wicksteed, Charles, Stamford Road Works, Kettering.

1868. Wicksteed, Joseph Hartley, Messrs. Joshua Buckton and Co., Well House Foundry, Meadow Road, Leeds.

1897. Widdowson, John Henry, Britannia Works, Ordsal Lane, Salford, Manchester; and 25 Withington Road, Whalley Range, Manchester. [*Taps, Salford.*]

1889. Wigham, John Richardson, Messrs. Edmundsons, Stafford Works, 35 Capel Street, Dublin.

1881. Wigzell, Eustace Ernest, Billiter House, Billiter Street, London, E.C. [*Wigzell, London.*]

1890. Wildy, William Lawrence, 26 Petherton Road, Highbury, London, N.

1892. Wilkinson, Edward R., Harwell House, Fortis Green, Finchley, London, N.

1902. Wilkinson, Francis Alan, Electrical Engineer, Borough of St. Marylebone, Electricity Department, 11 Manchester Street, London, W.

1898. Wilkinson, George, Beech Mount, Otley Road, Harrogate.

1903. Wilkinson, Henry Daniel, 4 Queen Street Place, London, E.C. [*Conspicio, London.*]

1903. Wilks, Edward Charles, 9 Beaconsfield Arcade, Hong Kong, China.

1901. Willatt, William Henry, Messrs. Reckitt and Sons, Hull.

1900. Williams, Arthur, Apartado 930, Mexico City, Mexico.

1893. Williams, Arthur Edward, Resident Engineer, Dagenham Dock, Essex.

1883. Williams, Sir Edward Leader, Engineer, Manchester Ship Canal Co., 41 Spring Gardens, Manchester [*Leader, Manchester.* 688.]; and The Oaks, Altrincham.

1895. Williams, Henry Watson, Essex Street, Fremantle, Western Australia.

1884. Williams, John Begby, Central Marine Engine Works, West Hartlepool.

1901. Williams, John Norman Spencer, Hawaiian Commercial and Sugar Co., Kahului, Maui, T. H., Hawaiian Islands.

1885. Williams, Nicholas Thomas, Kelynack, St. Just, R.S.O., Cornwall.

1847. Williams, Richard (*Life Member*), Brunswick House, Wednesbury.

1890. Williams, Thomas David, 16 Lancaster Road, South Norwood, London, S.E.

1881. Williams, William Freke Maxwell, 20 Great St. Helen's, London, E.C.; and South Hill Bank, Gravesend.

1899. Williams, William Henry, Divisional Locomotive Superintendent, Great Western Railway, Swindon.

1889. Williams, William Walton, Gibraltar.

1897. Williams, Wyndham Henry, Messrs. Arthur Butler and Co., Mozufferpore, Tirhoot, India.

1896. Williamson, Joseph, Arden Ville, Balgray Hill, Springburn, Glasgow.

1883. Williamson, Richard, Messrs. Richard Williamson and Son, Iron Shipbuilding Yard, Workington; and South Lodge, Cockermouth.

1889. Willis, Edward Turnley, Hockley Hall and Whateley Colliery, Tamworth: and Eversley, Albert Road, Tamworth.

1897. Wills, Frank, Messrs. W. and F. Wills, Perseverance Works, Bridgwater.

1878. Wilson, Sir Alexander, Bart., Messrs. Charles Cammell and Co., Cyclops Steel and Iron Works, Sheffield.

1882. Wilson, Alexander Basil, Maryville House, Malone, Belfast. [201.]

1900. Wilson, Henry, Works Manager, Messrs. Walkers, Union Foundry, Maryborough, Queensland.

1884. Wilson, James, Pacha, 19 Lymington Road, West Hampstead, London, N.W.

1881. Wilson, John, Engineer, Great Eastern Railway, Liverpool Street Station, London, E.C. [*Wilson, Eastern, London.*]

1890. Wilson, Joseph William, Principal of School of Practical Engineering, Crystal Palace, Sydenham, London, S.E.

1890. Wilson, Robert James, care of Messrs. Thomas Wilson and Co., 10 and 12 Eastcheap, London, E.C.

1873. Wilson, Thomas Sipling, Messrs. Holroyd Horsfield and Wilson, Larchfield Foundry, Hunslet Road, Leeds.

1897. Wilson, William Campbell, Messrs. Charles Burrell and Sons, St. Nicholas Works, Thetford.

1899. Wilson, William Hope, 261 Albert Road, Pollokshields, Glasgow.

1901. Wilton, Bartel, Messrs. Wilton's Yard, Westseedyk 402, Rotterdam, Holland.

1891. Wimshurst, James Edgar, Superintendent Engineer, Royal Mail Steam Packet Co., Southampton.

1890. Winder, Charles Aston, Hathersage, Sheffield. [235.]

1886. Windsor, Edwin Wells, 1 Rue du Hameau des Brouettes, Rouen, France.

1900. Wingfield, Charles Humphrey, 82 Fairhazel Gardens, Hampstead, London, N.W.

1890. Wingfield, Digby Charles, Harland Rise, Polworth Road, Streatham, London, S.W.

1887. Winmill, George, Rushcroft, Chaucer Road, Bedford.

1898. Winn, Charles Reginald, Messrs. Charles Winn and Co., St. Thomas Works, Granville Street, Birmingham. [*Winn, Birmingham.* 366.]

1896. Winston, Harold Holmes, Messrs. Waterlow and Sons, Finsbury, London, E.C.

1872. Wise, Sir William Lloyd, 46 Lincoln's Inn Fields, London, W.C. [*Lloyd Wise, London.* P.O. Central 4775.]

1896. Wiseman, Alfred, 80–89 Glover Street, Birmingham. [*Verus, Birmingham.* 2299.]

1884. Withy, Henry, Messrs. Furness Withy and Co., Middleton Ship Yard, West Hartlepool. [*Withy, West Hartlepool.* 4246.]

1878. Wolfe, John Edward, 24 Belsize Crescent, Hampstead, London, N.W.

1888. Wolff, Gustav William, M.P., Messrs. Harland and Wolff, Belfast.

1902. Wollaston, Henry Uppleby, Consolidated Engineering Co., Gotha Iron Works, Slough. [*Gotha, Slough.* 7.]

1900. Wollaston, Thomas Roland, 29 Corporation Street, Manchester. [*Parabola, Manchester.*]

1881. Wood, Edward Malcolm, 3 Victoria Street, Westminster, S.W.

1887. Wood, Henry, Messrs. John and Edward Wood, Victoria Foundry, Bolton.

1902. Wood, Hervey Alan, District Locomotive Superintendent, East Indian Railway, Jamalpore, Bengal, India.

1880. Wood, John Mackworth, New River Office, Rosebery Avenue, London, E.C.

1868, Wood, Sir Lindsay, Bart., Southhill, near Chester-le-Street.

1884. Wood, Sidney Prescott, Messrs. McKenzie and Holland, Vulcan Iron Works, Worcester; and Hallow Bank, Henwick, Worcester.

1898. Wood, Sydney Henry, Gas Light and Coke Works, Beckton, London, E.

1890. Wood, Thomas Royle, Talleres Felipe Schwarz, 1959 Calle Patricios, Buenos Aires, Argentine Republic: (or care of William Wood, 28 Hyde Grove, Chorlton-on-Medlock, Manchester.)

1896. Wood, Walter Chapman, International Mill, Shanghai, China.

1904. Wood, Walter James, Manager, North Lincolnshire Engineering Works, Fish Dock Road, Great Grimsby. [*Lignum, Grimsby.* 56.]

1890. Wood, William, 31 Studley Road, Clapham Road, London, S.W.

1900. Wood, William Howorth, Messrs. H. Eckstein and Co., P.O. Box 149, Johannesburg, Transvaal, South Africa.

1882. Woodall, Corbet, Palace Chambers, 9 Bridge Street, Westminster, S.W.

1897. Woods, Arthur Robert Thomas, 20 Castle Street, Liverpool.

1894. Woods, William Henry, Messrs. Hamilton Woods and Co., Liver Foundry and Engine Works, Ordsal Lane, Salford, Manchester. [*Sluice, Manchester.* 1962.]

1899. Woof, Thomas, Messrs. Alfred Herbert, 24 and 26 Holborn, London, E.C.

1898. Woollen, Thomas Henry, Managing Director, The New Jointless Rim Co., Arrol Works, Long Acre, Aston, Birmingham. [*Jointless, Birmingham.* 2625.]

1904. Woolliscroft, George William, Locomotive Department, Midland Railway, Derby.

1899. Wootton, John, Messrs. Wootton Brothers, Coalville Iron Works, Coalville, Leicester.

1895. Wordingham, Charles Henry, Electrical Engineer-in-Chief, Admiralty, Whitehall, London, S.W.

1887. Worger, Douglas Fitzgerald, Assistant Engineer, Southwark and Vauxhall Water Works, Southwark Bridge Road, London, S.E.

1874. Worsdell, Thomas William, Stonycroft, Arnside, near Carnforth.

1894. Worsdell, Wilson, Locomotive Superintendent, North Eastern Railway, Gateshead.

1877. Worssam, Henry John, Messrs. G. J. Worssam and Son, Wenlock Road, City Road, London, N. [*Massrow, London.* King's Cross 677.]

1886. Worthington, Charles Campbell, Shawnee-on-Delaware, Pa., United States.

1888. Worthington, Edgar, (Secretary), The Institution of Mechanical Engineers, Storey's Gate, St. James's Park, Westminster, S.W.

1860. Worthington, Samuel Barton, Consulting Engineer, 33 Princess Street, Manchester; and Mill Bank, Bowdon, near Altrincham.

1897. Worthington, William Barton, Chief Engineer, Lancashire and Yorkshire Railway, Manchester.

1899. Wotherspoon, James Douglas, 13-15 Cleethorpe Road, Grimsby; and 39 Hainton Street, Grimsby. [*Alacrity, Grimsby.*]

1900. Wright, Benjamin Hollingworth, 20 Copthall Avenue, London, E.C.

1897. Wright, Frederick George, Great Western Railway Works, Swindon.

1876. Wright, James, 181 Queen Victoria Street, London, E.C. [*Apparatus, London.*]

1867. Wright, John Roper, Messrs. Wright Butler and Co., Elba Steel Works, Gower Road, near Swansea.

1859. Wright, Joseph, Metropolitan Railway-Carriage and Wagon Co., Saltley Works, Birmingham; and The Gresham Club, London, E.C.

1903. Wright, Thomas, Works Manager, The Premier Gas Engine Co., Sandiacre, near Nottingham.

1901. Wright, Walter, 8 Grosvenor Buildings, Steelhouse Lane, Birmingham.

1871. Wrightson, Sir Thomas, Bart., M.P., Messrs. Head Wrightson and Co., Teesdale Iron Works, Stockton-on-Tees.

1901. Wrightson, William Percival, 15A Highbury Crescent, London, N.

1900. Wyld, William, General Manager, Borough Tramways Department, Laird Street, Birkenhead; and 26 Devonshire Road, Claughton, Birkenhead.

1902. Wyles, David Dewar, 70 Drury Buildings, 21 Water Street, Liverpool. [*Emergency, Liverpool.* 8264 Central.]

1902. Wyllie, James, Chief Mechanical Engineer, Messrs. Henry Tate and Sons, Love Lane, Liverpool.

1877. Wyvill, Frederic Christopher, 19 East Parade, Leeds.

1889. Yarrow, Alfred Fernandez, Isle of Dogs, Poplar, London, E.

1895. Yarwood, William James, Castle Dock Yard, Northwich. [74.]

1899. Yates, Joseph, Managing Director, Messrs. Matthews and Yates, Cyclone Works, Swinton, near Manchester. [*Cyclone, Swinton, Manchester.* 1871.]

1899. Yates, Walter, Managing Director, Messrs. Matthews and Yates, Cyclone Works, Swinton, near Manchester. [*Cyclone, Swinton, Manchester.* 1871.]

1880. York, Francis Colin, Locomotive Superintendent, Buenos Aires and Pacific Railway, Junin, Buenos Aires, Argentine Republic: (or care of W. Hannay, 18 Portland Street, Leamington.)

1903. Young, Frederick William, Liverpool Salvage Association, Liverpool.

1874. Young, James, 4 Granville Road, Newcastle-on-Tyne. [*Aid, Newcastle-on-Tyne.*]

1879. Young, James, Salroyd, Thornlaw Road, West Norwood, London, S.E.

1892. Young, Robert, Penang, Straits Settlements.

1894. Young, Smelter Joseph, The Tempered Spring Co., Limited, Rockingham Street, Sheffield. [*Tempered, Sheffield.* 354.]

1899. Young, Thomas, 203 West George Street, Glasgow.

1887. Young, William Andrew, Messrs. Lobnitz and Co., Renfrew, near Paisley [*Lobnitz, Renfrew.* 57, Paisley.]; and Millburn House, Renfrew, near Paisley.

1881. Younger, Robert, Messrs. R. and W. Hawthorn Leslie and Co., St. Peter's Works, Newcastle-on-Tyne.

ASSOCIATE MEMBERS.

[A.M.I.Mech.E.]

1902. Abbott, Robert Hill, Superintendent Engineer, Ocean Accident and Guarantee Corporation, 9 Albert Square, Manchester.

1902. Abel, Walter Robert, 18 Grange View, Chapeltown Road, Leeds.

1896. Abella, Juan, 1882 Calle Vireyes, Belgrano, Buenos Aires, Argentine Republic.

1898. Acfield, Wilfred Cosens, London Brighton and South Coast Railway, London Bridge, London, S.E.

1900. Adams, Albert Edward, Borough and Water Works Engineer, Chippenham.

1903. Adams, Dawson, National Electric Supply Co., Bushell Street, Preston.

1903. Adams, Jordan D., 8 Drakefell Road, St. Catherine's Park, London, S.E.

1892. Adams, Sidney Rickman, P.O. Box 4181, Johannesburg, Transvaal, South Africa: (or care of Henry Adams, 3 Colville Square, Bayswater, London, W.)

1898. Adiassewich, Alexander Victorovitch, 6 Camden Gardens, Shepherd's Bush, London, W.

1904. Ainscough, Walter, 88 Spencer Place, Leeds.

1904. Aitken, Robert Reginald, Charlottenberg Estate, Little London P.O., Westmoreland, Jamaica.

1902. Åkerlind, Gustaf Fredric, Locomotive Superintendent, Clogher Valley Railway Co., Aughnacloy, R.S.O., Co. Tyrone.

1900. Albrecht, John August, Springside Farm, Waiuku, Auckland, New Zealand.

1900. Alcock, Alfred Edwin, Drawing Office, Messrs. Charles Cammell and Co., Cyclops Works, Sheffield; and 15 Firth Park Avenue, Sheffield.

1899. Alder, George Frederick, Managing Director, Excelsior Engineering Co., Stafford Works, Stroud, Gloucestershire. [*Excelsior, Bowbridge.*]

1900. Alderson, Charles Albert Heselton, Messrs. Allen, Alderson and Co., Gracechurch Street, Alexandria, Egypt; and Norland House, Ramleh, Egypt.

1890. Alderson, George Alexander, Messrs. Allen, Alderson and Co., Alexandria, Egypt; and The Cloisters, Bulkeley, Ramleh, Egypt.

1899. Alexander, Joseph George, 167 Grosvenor Road, London, S.W.

1903. Alexander, William, James Watt Engineering Laboratories, The University, Glasgow.

1904. Allan, Alexander Buchanan, 1 Queen Mary Avenue, Crosshill, Glasgow.

1901. Allan, George, Jun., 156 Northbourne Street, Elswick Road, Newcastle-on-Tyne.

1903. Allbutt, Jonathan Enoch Hill, Sheepbridge Coal and Iron Co., Chesterfield.

1902. Allen, Harold Gwynne, Messrs. W. H. Allen, Son and Co., Queen's Engineering Works, Bedford.

1905. Allen, Thomas Fearnley, Carriage and Wagon Works Manager, Ferro Carril del Sud, Estacion Los Talleres, Buenos Aires, Argentine Republic.

1904. Allison, Thomas Ernest, Durham Lodge, Durham Road, Bromley, Kent.

1903. Allkin, Henry Weston, General Manager, S.A. Sports Emporium, Wynberg, Cape Colony.

1902. Ambler, Ratcliff Vincent, Messrs. Gibbs and Co., Iquique, Chile.

1904. Amor, Charles Thomas, Royal Indian Marine Dockyard, Bombay, India.

1902. Amos, Harold Clyde, 20 Bucklersbury, Queen Victoria Street, London, E.C.; and Glaslyn, 12 Sidney Road, Beckenham.

1900. Anderson, Athol Lancelot, H.M. Dockyard, Malta.

1903. Anderson, Edward, Chief Engineer, Parish of Fulham, 75 Fulham Palace Road, Hammersmith, London, W.

1904. Anderson, James Keith, Messrs. Lake and Currie, Norfolk House, 7 Laurence Pountney Hill, London, E.C.

1900. Andrew, Samuel Ernest, Hampden Residential Club, Phœnix Street, London, N.W.

1898. Andrews, Frederic Ernest, Westhorpe, Loughborough.

1902. Anslow, David, Manager, Messrs. J. B. Brookes and Co., Criterion Stamping Works, Willenhall, Wolverhampton. [*Crito, Willenhall.* 49 Darlaston.]

1897. Appleby, Harry Walton, Robinson Randfontein Gold Mining Co., Randfontein, Transvaal, South Africa.

1902. Armistead, Thomas Webster, Messrs. D. Rollo and Sons, Fulton Engine Works, Liverpool.

1903. Armytage, John Hawksworth, Board of Trade, 1 Whitehall, London, S.W.

1899. Arnold, Arnold Attwood, Messrs. Davey, Paxman and Co., Standard Iron Works, Colchester.

1898. Arnold, Frank William, 75 Brunswick Street, Stockton-on-Tees.

1901. Arnold, Frederick Nathaniel, 29 Archibald Road, Tufnell Park, London, N.

1901. Arundel, Arthur Samuel Drew, Messrs. Arundel and Marshall, Penn Street Works, Hoxton, London, N.

1902. Aspin, John, Messrs. J. and P. Coats, 50 Bothwell Street, Glasgow.

1901. Aston, Edward Backland Stuckey, Messrs. Cammell Laird and Co., 9 Victoria Street, Westminster, S.W.; and 19 Dalmeny Avenue, Camden Road, London, N.

1901. Atherton, Ernest Stanley, 27 Clarendon Place, Leeds. [*Robey, Leeds.*]

1902. Atkins, Evan Arthur, Municipal Technical School, Liverpool; and Ivy Villa, Breckside Park, Liverpool.

905. Atkinson, Cyril Joseph, Beech Mount, Station Road, Marple, Stockport.

1901. Attock, Frederick William, Carriage and Wagon Department, Lancashire and Yorkshire Railway, Victoria Station, Manchester.

1900. Aughtie, Herbert, South Western Polytechnic, Chelsea, London, S.W.

1903. Austin, Samuel, Jun., Messrs. James Spencer and Co., Chamber Iron Works, Hollinwood, Manchester.

1903. Aveling, Ralph Clifford, Messrs. Aveling and Porter, 72 Cannon Street, London, E.C. [5104 Bank.]

1901. Ayers, Frederic Gordon, care of Messrs. Ayers and Gall, Weymouth Street, Adelaide, South Australia.

1899. Baber, Samuel Ernest, Superintendent Engineer, Menantic and Mendota Steamship Co., 52 Queen Square, Bristol.

1904. Back, Walter Herbert, Messrs. Pertwee and Back, Nelson Iron Works, Great Yarmouth. [*Pertwee, Great Yarmouth.* 0178.]

1899. Backhouse, John, Messrs. Thomas Robinson and Son, Railway Works, Rochdale.

1903. Bagg, Henry Arthur, Messrs. J. and E. Hall, Dartford Iron Works, Dartford.

1904. Bagshawe, Benjamin Wyatt, Messrs. A. Ransome and Co., Stanley Works, Newark.

1900. Bailey, Harry Dorning, Messrs. W. H. Bailey and Co., 16 Fenchurch Street, London, E.C. [*Soldurios, London.*]

1903. Baker, Henry, Green Bank, Penketh, Warrington.

1899. Baker, Henry Gouldthorpe, Messrs. John Baker and Co., Brinsworth Works, Rotherham. [*Brinsworth, Rotherham.* 89.]

1903. Baker, Herbert Henry, care of C. H. Merz, 28 Victoria Street, Westminster, S.W.

1900. Baldwin, Christopher Edmund, North Eastern Railway, Paragon Station, Hull.

1902. Baldwin-Wiseman, William Ralph, M.Sc., 4 Brundretts Road, Chorlton-cum-Hardy, Manchester.

1901. Bale, John Henry Fooks, Electrical Engineer to the Walthamstow Urban District Council Electricity Works, Priory Avenue, Walthamstow, London, N.E.

1902. Balfour, George, Messrs. J. G. White and Co., 22A College Hill, Cannon Street, London, E.C.

1902. Ball, Comer Sandys, Monte Rosa, London Road, St. Leonards-on-Sea.

1899. Ball, Edmund Bruce, Manager, Messrs. Clarksons, Chelmsford; and Savernake Lodge, Chelmsford.

1897. Ball, John, Geological Survey Office, Public Works Department, Cairo, Egypt.

1896. Barba, Alfonso G., Las Palmas, Canary Islands.

1900. Barber, Edward Whitley, care of W. H. Fowler, 53 New Bailey Street, Manchester; and Roseleigh, Palatine Road, Northenden, Manchester.

1904. Barclay, Wallace, Steel Company of Scotland, Blochairn Works, Glasgow.

1903. Barker, Laurence Checkley, Messrs. Newtons, Taunton.

1904. Barnes, Archibald, Managing Director, Sheffield Motor Co., 58 Broomhall Street, Sheffield.

1894. Baron, Francis Edward, 62 Market Street, Manchester. [*Horseless, Manchester.* 4218.]

1903. Barrett, Charles Edgar Mathews, Malabar Spinning and Weaving Co., Kallai, Malabar, India.

1898. Bartle, George William, Albion Brewery, Mile End, London, E.

1901. Bartley, Bryan Cole, Jumpers Deep, Rand Mines, Johannesburg, Transvaal, South Africa: (or care of Sir George C. T. Bartley, K.C.B., M.P., 57 Victoria Street, Westminster, S.W.)

1896. Barton, Andrew, Admiralty, 21 Craven Street, Strand, London, W.C.

1902. Bartram, Harry Alfred, Messrs. James Simpson and Co., 101 Grosvenor Road, Pimlico, London, S.W.

1903. Bates, Herbert, Works Manager, Messrs. Hulse and Co., Ordsal Works, Regent Bridge, Salford, Manchester; and 25 Eccles Old Road, Pendleton, Manchester.

1902. Baxandall, Richard Fitzgerald, Cregneish, Ben Rhydding, Yorkshire.

1901. Bear, Maurice Mayhew, Messrs. Babcock and Wilcox, 14 Deansgate, Manchester.

1903. Beare, Harold Hargreaves, Messrs. Buxton and Thornley, Waterloo Engineering Works, Burton-on-Trent.

1902. Beaver, John Robert, Post Box 1,198, Valparaiso, Chile.

1901. Beck, Alexander Edward, 115 and 117 Cannon Street, London, E.C.

1897. Beck, John, 10 Ventnor Road, Portland, Dorset.

1904. Beeching, Frank William, Messrs. Kynoch, Holford Mills, Perry Barr, Birmingham.

1904. Begbie, Thomas, Jun., Messrs. Thomas Begbie and Sons, Maxwell's Buildings, Harrison Street, Johannesburg, Transvaal, South Africa.

1899. Begbie, William, P.O. Box 3982, Johannesburg, Transvaal, South Africa.

1902. Beirne, Sidney Angelo, Compañia de San Salvador, Astillero, Provincia de Santander, Spain.

1904. Bell, Allan, Chief Engineer, Cold Storage Co., Williamson Square, Liverpool.

1900. Bell, Charles Sever, 123 Pall Mall, London, S.W.

1902. Bell, Frank, Signal Works, Engineers' Department, Midland Railway, Derby.

1901. Bell, James Alexander, City Electrical and Tramway Engineer, Corporation Electricity Works, Cotton Street, Aberdeen.

1898. Bell, William, Messrs. H. J. West and Co., 116 Southwark Bridge Road, London, S.E.; and 2 Shepherds Lane, Dartford.

1890. Bell, William Thomas, The Elms, St. Catherine's, Lincoln.

1902. Benington, Edmond Strangman, Government Engineering Department, Lagos, West Africa.

1901. Benn, William Wiltshere Wentworth, Chief Engineer, Australasian Chilling and Freezing Co., Aberdeen, New South Wales.

1905. Bennett, Alfred Temple, Retreat Works, Willow Walk, West Green, London, N.

1903. Bennett, Frederick William, London Small Arms Co., Victoria Park Mills, Old Ford, London, E.

1903. Bennett, Henry Arthur Dillon, 28 Victoria Road, Penarth.

1901. Bennett, Marshall Handyside, General Electric Co., 71 Queen Victoria Street, London, E.C.; and The Chestnuts, Horley, Surrey.

1901. Bennett, Percy Mayson, Callender's Cable and Construction Co., Hamilton House, Victoria Embankment, London, E.C.

1904. Bent, John Bradbury, Messrs. Lea and Warren, Glenroy Works, Kettering.

1903. Bentley, Percy, Works Manager, Messrs. Jackson Brothers, Leeds.

1900. Bentley, Thomas Sims, Messrs. C. Churchill and Co., 9–15 Leonard Street, Finsbury, London, E.C.

1902. Berkeley, Tyrus Douglas, Witton Terrace, Wrexham.

1902. Berrington, Ernest Evans Willoughby, Bank Buildings, Wolverhampton.

1902. Berry, Frederick, Technical School, Bridgman Street, Bolton.

1903. Berry, Herbert, Messrs. Egerton, Hubbard and Co., Petroffsky Mills, St. Petersburg, Russia.

1904. Berry, Robert, Messrs. Joseph Berry, Albion Foundry, Swinton, Manchester.

1898. Berry, Thomas, 53 Cowgate, Dundee. [*Steampump, Dundee.*]

1902. Berry, William, De Beers Consolidated Mines, P.O. Box 44, Kimberley, South Africa.

1902. Bevan, Ivor, 119 Hartfield Road, Wimbledon.

1904. Bharucha, Fakirjee Eduljee, Lahore, India.

1898. Bigger, Courtenay, Falmore Hall, Dundalk, Ireland.

1902. Bigg-Wither, Lionel, Assistant Locomotive Superintendent, Great Indian Peninsula Railway: care of Messrs. Grindlay Groom and Co., Bombay, India.

1901. Bindemann, Harry Otto Ferdinand, Chief Engineer, Sociedad de Gasificacion Industrial, Alcala 49 cuadrupdo, Madrid.

1904. Bing, Herbert, Consolidated Pneumatic Tool Co., Palace Chambers, 9 Bridge Street, Westminster, S.W.; and 11 Portland Road, Gravesend.

1902. Binns, Asa, H.M. Dockyard, Chatham.

1903. Binns, Walter, Corporation Tramways, Mill Lane, Reading.

1903. Bird, Frank Noel, Messrs. Millars' Forests Co., Wellington Mills, Dardanup, Western Australia.

1900. Bishop, Charles Herbert, The Gables, Egremont, Liverpool.

1903. Bithel-Jones, Harry, Marine School, South Shields.

1902. Blagden, Arthur Herbert, Municipal Electric Light Works, Shanghai, China.

1904. Blaker, Alexander Aubrey, Works Manager, Blenheim Engineering Co., East Greenwich, London, S.E.

1904. Blakey, Jasper, Vulcan Boiler and General Insurance Co., 67 King Street, Manchester; and 32 Duke of York Street, Wakefield.

1904. Bland, John William, Engineer's Department, Bradford Dyers' Association, Bradford.

1902. Bliss, Basil, care of Messrs. Pott and Co., 72 Oxford Street, London, W.

1899. Blissett, Percival Thomas, Messrs. A. Guinness Son and Co., St. James' Gate Brewery, Dublin.

1904. Bloyd, Francis George, Engineer's Office, South Eastern and Chatham Railway, London Bridge, London, S.E.

1896. Blumfield, Thomas William, Clifton Works, Clifton Road, Balsall Heath, Birmingham.

1902. Blyth, Ernest Blackstone, Messrs. Charles Nelson and Co., Stockton, Rugby.

1903. Boden, Arthur Lionel, 34 Maitland Park Villas, London, N.W.

1904. Bolton, George Wilson, Colombo Harbour Works, Colombo, Ceylon.

1901. Bond, John Thomas, National Boiler and General Insurance Co., 22 St. Ann's Square, Manchester.

1901. Boot, James Noel, Worthington Pumping Engine Co., 153 Queen Victoria Street, London, E.C.

1896. Bosley, Walter Joseph, Colonsay, Atherley Road N., Southampton. [*Destructor Works, Southampton.* 52 and 255.]

1902. Bott, Walter Stanley, Messrs. Cammell Laird and Co., Ordnance Works, Coventry.

1895. Boulden, Frederick, Technical Department, University College, St. George's Square, Sheffield.

1905. Boulton, Charles Valentine, 17 Wandle Road, Upper Tooting, London, S.W.

1903. Boulton, John Howard, North British Locomotive Co., 17 Victoria Street, Westminster, S.W.

1898. Bouts, Thomas, Messrs. Ernest Scott and Co., 2 Talbot Court, Gracechurch Street, London, E.C.; and 16 Althorp Road, Tooting, London, S.W.

1902. Bow, John, Ferro Carril del Sud, Dept. de Via y Obras, Buenos Aires, Argentine Republic.

1903. Bowden, John, London County Council Tramways, 303 Camberwell New Road, Camberwell Green, London, S.E.

1902. Bowers, William Richard, Birmingham Metal and Munitions Co., Adderley Park Mills, Birmingham.

1903. Bown, Charles Henry, Messrs. Merryweather and Sons, Greenwich, London, S.E.; and 18 Manor Park, Lee, London. S.E.

1903. Box, Wilfrid Leonard, Messrs. Dick, Kerr and Co., Abchurch Yard, London, E.C.

1902. Boyd, Guy Westwood, Messrs. Humphreys and Glasgow, 38 Victoria Street, Westminster, S.W.

1903. Boyd, Hugh, Superintendent Engineer, United Alkali Co., Fleetwood, R.S.O., Lancashire.

1900. Boyd, William, Resident Engineer, Northwich Electric Supply Co., 25 Castle Street, Northwich.

1896. Bremner-Davis, William Joseph, 36 Kylemore Road, West Hampstead, London, N.W.

1901. Bressey, Cyril Edward, Locomotive Department, Great Central Railway, Gorton, Manchester.

1898. Brett, Alfred William, Albion Drop Forgings Co., Foleshill, Coventry. [*Albion, Great Heath.*]

1902. Brewer, Edward Godfrey, 3 Crosby Square, Bishopsgate Street, London, E.C.

1902. Brewer, Robert Wellesley Antony, Superintending Engineer, Queen Anne's Mansions, St. James's Park, London, S.W.

1902. Bridge, Arthur George, Messrs. Tomlinson (Rochdale), Soho Works, Rochdale.

1901. Briggs, Ernest Reynolds, Messrs. Willans and Robinson, Victoria Works, Rugby; and 119 Bath Street, Rugby.

1902. Briggs, Robert Alexander, 9 Warwick Court, High Holborn, London, W.C.

1904. Brindle, John, Tramways Manager, Tramway Depôt, Rochdale.

1898. Brindley, Harry Samuel Bickerton, 3 Awoicho Akasaka, Tokyo, Japan.

1900. Britten, Thomas, Electric Construction Co., Wolverhampton.

1903. Britton, Sydney Ernest, Corporation Electricity Works, New Crane Street, Chester.

1904. Brixey, Charles Edward William, Technical College, Colombo, Ceylon.

1900. Brooks, Harry Gordon, Locomotive Works, Midland Railway, Kentish Town, London, N.W.

1903. Brooks, John Frederick, Municipal Technical School, Leicester.

1901. Brotherhood, Stanley, 15 Belvedere Road, Lambeth, London, S.E. [*Brotherhood, London.*]

1904. Broughton, Freeman, Manchester Corporation Tramways, 55 Piccadilly, Manchester.

1903. Brown, Charles Anderton, 47 Devonshire Street, Higher Broughton, Manchester.

1901. Brown, John Pollock, Messrs. Denny and Co., Dumbarton; and 1 Broomhill Avenue, Partick, Glasgow.

1901. Brown, Tom Edward Bennett, Managing Director, Messrs. Ross, Courtney and Co., 25 Ashbrook Road, Upper Holloway, London, N.

1902. Browne, William Ruddle, Chisledon, Swindon.

1903. Brownjohn, William Henry, Associated Portland Cement Manufacturers (1900), Park House, Gravesend.

1904. Bruce, John George, Resident Electrical Engineer, Willesden District Council, The Electricity Office, Salusbury Road, Kilburn, London, N.W.

1904. Bryan, Bernard William, Chief Engineer, South Essex Water Works, Romford.

1902. Bryant, Edward Egerton, Messrs. Oakes and Co., Madras, India.

1901. Buchanan, William Ernest, Superintendent, Simla Water Works, Simla, Punjab, India.

1904. Buck, Edward Clarke, Assistant City Engineer, Pretoria: P.O. Box 440, Pretoria, Transvaal, South Africa.

1902. Buckton, William Woodyer, 80 Woodland Gardens, Muswell Hill Road, Highgate, London, N.

1901. Budding, Brice Henry, Jun., 146A Portway, West Ham, London, E.

1898. Bulfin, Ignatius, Borough Electrical Engineer, The Generating Station, Southcote Road, Bournemouth.

1900. Bull, Rowland Francis, care of Dr. Alexander B. W. Kennedy, 17 Victoria Street, Westminster, S.W.

1900. Bull, Thomas Palmer, The Cottage, Cosgrove, Stony Stratford.

1903. Bullen, William Henry Chambers, 20 Pagoda Avenue, Richmond, Surrey.

1902. Bullmore, Alfred William Ernest, First Garden City Water and Sewerage Works, Willian, Hitchin.

1901. Bullock, Richard Cecil, 4 Porchester Square, London, W.

1902. Bunn, Charles William, Herbert Street Works, West Bromwich. [*Landau, Westbromwich.* 5007.]

1904. Burbidge, Alfred Humphrey, Messrs. Kennedy and Jenkin, 17 Victoria Street, Westminster, S.W.

1893. Burden, Alfred George, Messrs. Harvey and Co., P. O. Box 953, Johannesburg, Transvaal, South Africa: (or care of George N. Burden, Oakfield, Teignmouth.)

1902. Burford, Henry George, Manager, Messrs. George F. Milnes and Co., Motoria, Balderton Street, Oxford Street, London, W.; and 12 Pennard Road, Shepherd's Bush, London, W.

1903. Burnand, Augustus Henry, Hartley University College, Southampton.

1890. Burne, Edward Lancaster, Messrs. Arnold Goodwin and Son, Sumner Street, Southwark, London, S.E.; and 88 Woodside Green, South Norwood, London, S.E.

1904. Burnett, William Rattery, Messrs. C. A. Hutson and Co., Ceylon Engineering Works, Colombo, Ceylon.

1897. Burnside, Bertram W., Locomotive Department, Burma Railways, Insein, Burma.

1904. Burrows, George Henry, Great Western Railway Works, Swindon.

1904. Burt, John William Edward, 103 Newport Road, Cardiff.

1899. Burt, Thomas Ross, Messrs. Burt and Kirkcaldy, Eldon Street House, London, E.C. [*Burtglied, London.* London Wall 2417.]

1902. Busfeild, William, 26 Alexandra Crescent, Ilkley.

1891. Butcher, Walter Edward, British Thomson-Houston Co., Rugby.

1904. Butler, George Henry, Docks Engineer's Office, Cumberland Basin, Bristol.

1891. Buttenshaw, George Eskholme, British Westinghouse Electric and Manufacturing Co., Trafford Park, Manchester.

1902. Button, John William, Battersea Polytechnic Institute, Battersea, London, S.W.

1904. Buxton, Richard Henry, Wassau (Gold Coast) Mining Co., Adjah Bippo, Tarkwa, *viâ* Sekondi, West Africa.

1900. Calderwood, William, Works Manager, Messrs. Palmer and Co., Stratford, London, E.; and 83 Hampton Road, Forest Gate, London, E.

1901. Campbell, Ernest Waterhouse, Messrs. Campbells and Hunter, Dolphin Foundry, Saynor Road, Hunslet, Leeds.

1899. Cannell, William, Grenville Building, Corporation and Cherry Streets, Birmingham.

1904. Cannon, Reginald, P.O. Box 4746, Johannesburg, Transvaal, South Africa.

1903. Cardew, Sydney Robert, Messrs. Preece and Cardew, 8 Queen Anne's Gate, Westminster, S.W.

1901. Carnegie, Francis, Royal Laboratory, Royal Arsenal, Woolwich.

1904. Carr, Christopher Ralph (*Life Associate Member*), Wood House, Twerton-on-Avon, Bath.

1900. Carr, Harry Oswald, Wandsworth and Putney Gas Light and Coke Co., North Street, Wandsworth, London, S.W.

1898. Carr, James John William, Woodland Works, Grove Lane, Smethwick, Birmingham. [*Bells, Smethwick.* 2018.]

1900. Carrod, Henry, 43 Sidney Road, Beckenham.

1900. Carstairs, Gilbert Langlois, 12 Kingswood Road, Seven Kings, Ilford.

1901. Carter, Frank, General Manager, Carter's Steam Wagon Co., Bridgefield Street, Oakenrod, Rochdale; and 424 Bury Road, Rochdale.

1904. Carter, John Arthur, Chief Engineer, The New Explosives Co., Stowmarket.

1900. Carter, Samuel Arthur, Federated Malay States Railways, Seremban, Straits Settlements: (or care of Mrs. McMillan, 33 Barrington Road, Brixton, London, S.W.)

1901. Cartmell, John Monkhouse, 64 Buchanan Street, Glasgow.
1902. Carwin, John William, Stone Villa, Victoria Road, Fulwood, Preston.
1900. Casebourne, Ambrose Cubitt, 12 Cheltenham Terrace, Heaton-on-Tyne.
1900. Cash, Ernest William, British Thomson-Houston Co., Rugby.
1904. Casson, William, Underground Electric Railway Co. of London, Lot's Road, Chelsea, London, S.W.
1899. Cater, John McIlvaine, Southdown, The Downs, Wimbledon.
1900. Catmur, Thomas Stueley, Inglenook, Minster Road, Sundridge Park, Bromley, Kent.
1900. Cave, Henry, Electric Vehicle Co., Hartford, Conn., United States; and Ousebridge, Carlton, near Nottingham.
1903. Cave, William Henry, 13 Greenlaw Avenue, Paisley.
1904. Cawthra, James Herbert, Borough Electrical Engineer, Corporation Electricity Works, South Shields.
1897. Cerrito, Frank Henry, Messrs. Frank H. Cerrito and Co., Freeman Street, Birmingham. [*Cerrito, Birmingham.* 2837.]
1904. Chadwick, Richard, Superintendent of Rolling Stock, Corporation Tramways, Laird Street Depôt, Birkenhead.
1895. Challenger, Godfrey Richard, Messrs. John Jameson and Son, Bow Street Distillery, Dublin.
1902. Chalmers, Alexander David, Engineer, Electricity Supply Works, Gillingham Road, New Brompton, R.S.O., Kent.
1902. Chalmers, James, Engineer, Companhia do Beberibe, Pernambuco, Brazil.
1902. Channon, Philip Percival, Engineer, Haywards Heath District Gas Co., Mill Green Road, Haywards Heath.
1899. Chapman, Samuel, 381 Manchester Road, Droylsden, Manchester.
1903. Charnock, Clement Joseph (*Life Associate Member*), Messrs. Gorbunoff's Cotton Spinning and Weaving Mills, Sereda, Government of Kostroma, Russia.
1904. Charnock, Harry Horsfield, Chief Engineer, Messrs. Vicoul Morosoff and Sons, Orehovo, near Moscow, Russia.
1902. Chatterton, Richard, Okanagan Landing, British Columbia.
1899. Cheffins, Harold William Joshua, Messrs. J. B. White and Brothers, Swanscombe, Kent.
1903. Child, John, 108 Claremont Road, Sefton Park, Liverpool.
1903. Chivers, Frank Evans, Beberibe Water Works, Pernambuco, Brazil.
1900. Chorley, Richard, Technical School, Stockport.
1903. Christiansen, Adolph Gothard, Jun., 10 Lorne Terrace, Christ Church, Sunderland.
1903. Christiansen, Albert George, 10 Lorne Terrace, Christ Church, Sunderland.
1904. Christmas, Edwin Bossward, Messrs. Jeremiah Head and Son, 47 Victoria Street, Westminster, S.W.

1905. Clacher, Thomas, Messrs. Henry Tate and Sons, Silvertown, London, E.; and Bryantwood, Auckland Road, Ilford.

1896. Clare, Ernest, Straker Steam Vehicle Co., 9 Bush Lane, Cannon Street, London, E.C.

1904. Claret, William Edward, Hong Kong Electric Co., Hong Kong, China.

1903. Clark, Hubert Charles, Lanchester Engine Co., Armourer Mills, Montgomery Street, Sparkbrook, Birmingham.

1894. Clark, James Lester, 255 Cromwell Road, London, S.W.

1899. Clarke, Arthur Laver, Gas Engineer, Gas Works, Maldon, Essex.

1900. Clarke, Leigh Theophilus, Electrical Department, Great Central Railway, Guide Bridge Station.

1895. Clatworthy, Walter Angove, 40 Sanderson Road, Newcastle-on-Tyne.

1903. Claughton, George, Station Superintendent, Corporation Power Station, Newcastle-on-Tyne.

1904. Claxton, Harold, Public Works Department, Lagos, West Africa.

1902. Clayton, Melville Graham, Inspector of Machinery, Fluvial Navy of Peru, Iquitos, Peru.

1898. Cleave, Arthur Harold Wyld, Royal Mint, London, E.

1901. Cleaver, William, Locomotive Engineer's Office, Port Talbot Railway and Docks, Port Talbot.

1897. Clegg, John Henry, Lower Lumb Mill, Heptonstall, Manchester.

1904. Clegg, Robert Ingham, Rose Building, Cleveland, Ohio, United States.

1903. Clemence, Walter, Messrs. Easton, Courtney, and Darbishire, 25 Victoria Street, Westminster, S.W.

1892. Cleverly, William Bartholomew, Stourbridge Water Works, Coalbourne Brook, Stourbridge.

1904. Cliff, Richard Charles, Savings Bank Buildings, St. George's Street, Cape Town, Cape Colony.

1901. Clifton, William George, Messrs. Defries and Sons, 147 Houndsditch, London, E.C.

1901. Close, Henry Alwyn, 7 Abbey Avenue, Victoria Park, Kirkstall, Leeds.

1900. Cluff, Richard, Engineer's Department, St. James' Gate Brewery, Dublin.

1898. Cobbold, Arthur Westhorp, 70 Alkham Road, Stoke Newington, London, N.

1902. Codd, Thomas James, Metropolitan Asylums Board, Victoria Embankment, London, E.C.

1901. Colbourne, Thomas Salmon, Managing Director, Messrs. John D. Young and Son, Lion Iron Works, Barnstaple.

1901. Cole, Alfred Thomas, 16 Parliament Hill, Hampstead, London, N.W.

1904. Coleridge, Henry Hill, 15 Battery Road, Singapore, Straits Settlements.

1902. Collyer, Percy Nicholson, Messrs. Albright and Wilson, Oldbury, Birmingham.

1903. Coltman, Walter William, Central Boiler Works, Loughborough. [*Boilers, Loughborough.* 51.]

1896. Comerford, Edward, Abbot's Grange, Liverpool Road, Chester.

1897. Connell, William Percival, Bella Vista 28, Minas de Rio Tinto, Huelva, Spain: (or care of W. G. Connell, 83 Cheapside, London, E.C.)

1896. Conradi, Julius Samuel, Messrs. John I. Thornycroft and Co., Church Wharf, Chiswick, London, W.

1904. Cook, John Nicol, Messrs. Barry, Henry and Co., 64 Mark Lane, London, E.C. [*Barrorum, London.*]

1903. Cooke, Frederick William, Messrs. Willans and Robinson, Victoria Works, Rugby.

1905. Cooksley, Alfred, Messrs. Kirchner and Co., 21–25 Tabernacle Street, Finsbury, London, E.C.

1903. Coombes, Thomas, Manager, Messrs. Harding, Market Street, Torquay.

1900. Coombs, James Alger, Messrs. Daniel Adamson and Co., Dukinfield.

1904. Cooper, Arthur, Messrs. Ransomes, Sims and Jefferies, Orwell Works, Ipswich.

1903. Cooper, Arthur Thomas, Reading Electric Supply Co., Vastern Road, Reading.

1896. Cooper, Thomas, Metropolitan Asylums Board, Victoria Embankment, London, E.C.; and Spring Valley, Beaconsfield Road, St. Albans.

1901. Cooper, William James, Ocean Accident and Guarantee Corporation, 36–44 Moorgate Street, London, E.C.

1895. Corby, Matthew, Messrs. Thomas Firth and Sons, Norfolk Works, Sheffield; and 13 Montague Road, Edgbaston, Birmingham.

1899. Corrie, John Bradford, Palace Chambers, 9 Bridge Street, Westminster, S.W.

1903. Coster, William Wallace, Cape Town Corporation Waterworks, 67B Long Street, Cape Town, Cape Colony.

1902. Cotsworth, Haldane Gwilt, Battersea Polytechnic, London, S.W.

1901. Couch, Richard Ernest, 23 Richmond Road, Brighton.

1902. Coueslant, Leopold Daniel, The Technical College, Sunderland.

1902. Coulson, Horace Ernest, Birkbeck College, Bream's Buildings, Chancery Lane, London, E.C.; and 238 Wandsworth Bridge Road, Fulham, London, S.W.

1904. Coulton, Ivor Bertie, Engineers' Department, Messrs. A. Guinness, Son and Co., St. James' Gate Brewery, Dublin.

1904. Courts, William Charles, Chief Engineer, Smokeless Chimney Co., Albert Square, Manchester. [*Chimneys, Manchester.* 5392.]

1894. Coventry, Theodore, Messrs. Smith and Coventry, Gresley Iron Works, Ordsal Lane, Salford, Manchester. [*Gresley, Manchester.* 564.]

1903. Cowcher, George, Dudbridge Iron Works, Dudbridge, Stroud, Gloucestershire.

1902. Cowen, George Hepple, 40 Marlborough Road, Sheffield.

1895. Cowie, William, 51 Endsleigh Gardens, Ilford.

1905. Cowlrick, Francis German, 49 Queen Victoria Street, London, E.C.; and Beverley, Stockfield Road, Streatham, London, S.W.

1904. Cox, Kenneth Robert William, British Westinghouse Electric and Manufacturing Co., Trafford Park, Manchester.

1904. Cozens-Hardy, Edward Herbert, 82 Victoria Street, Westminster, S.W. [*Cosmogony, London.* 734 Westminster.]

1897. Craig, Alexander, 18 Hertford Street, Coventry.

1902. Craig, James, Federated Engineering Co., Kuala Lumpor, Federated Malay States.

1902. Cramb, Alexander Charles, Croydon Corporation Electricity Works, Factory Lane, Croydon.

1902. Crawford, Gerald Walker, 41 George Street, Edinburgh. [1222 Central]

1900. Crawford, John Forcer, Messrs. Railton, Campbell and Crawford, Washington Foundry, Cherry Lane, Walton, Liverpool. [*Ferro, Liverpool.* 97 Walton.]

1904. Creighton, Henry, 8 Marlboro' Grove, Leeds.

1904. Creighton, James, 1B Bedford Well Road, Eastbourne.

1904. Crew, Malcolm Hillier, South Eastern and Chatham Railway, Longhedge Works, Battersea Park, London, S.W.

1903. Crocker, Claude Edward, Manager, Kalgoorlie Electric Light and Power Corporation, Kalgoorlie, Western Australia.

1904. Croft, Frank, Messrs. Croft and Perkins, Great Northern Works, Leeds Road, Bradford.

1897. Crooke, Walter, Jun., Frodingham, near Doncaster.

1887. Crosland, Delevante William, 34 Wharf Road, City Road, London, N.

1904. Cross, James William, 4 Trafalgar Square, London, W.C. [2118 Gerrard.]

1904. Cross, William Mark, 10 Knowle Road, Bristol.

1904. Crossley, John, Managing Director, Messrs. W. and J. Player, Lionel Street, Birmingham; and 273 Nechells Park Road, Birmingham.

901. Crow, Lewis, 95 Embleton Road, Lewisham, London, S.E.

1903. Crowther, Harry, Resident Mechanical Engineer, Water Works, Pembury, Tunbridge Wells.

1902. Cruddas William John, Messrs. A. Goerz and Co., P.O. Box 1156, Johannesburg, Transvaal, South Africa.

1900. Cruickshank, George Seymour, Allgemeine Elektricitäts Gesellschaft, 22 Schiffbauerdamm, Berlin, Germany.

1901. Cummins, Reginald Ernest, 25 Princes Square, Bayswater, London, W.

1899. Cunliffe, Tom Arthur, 27 Howards Lane, Putney, London, S.W.

1904. Cunningham, Philips Daves Glendower, Pakan P.O., Alberta, N.W.T., Canada.

1903. Curtis, Ivor, R.N., Royal Naval College, Greenwich, London, S.E.

1895. Cust, Leopold, Gas Traction Co., 22 Chancery Lane, London, E.C.; and 99 Onslow Square, London, S.W.

1903. Cuthell, Eric Andrew, Messrs. Simpson and Co., 101 Grosvenor Road, Pimlico, London, S.W.

1902. Dabell, Alexander Frank, care of Messrs. Gilchrist, Walker and Co., Constantinople.

1902. Dack, William Herbert, Messrs. C. Wade and Co., Durban, Natal.

1904. Dalton, William Thomas, Superintending Electrical Engineer, Corporation Tramways, Manors, Newcastle-on-Tyne.

1904. Daniel, William Henry, Messrs. John Fowler and Co., Steam Plough and Locomotive Works, Leeds.

1903. Darby, Arthur Ernest, Borough Engineer and Surveyor's Office, Town Hall, Wolverhampton.

1901. Dare, Arthur Newman, Messrs. Heiniks Erben and Co., Maschinenfabrik, Prerau, Austria.

1900. Darker, Alfred Henry, Messrs. J. Stone and Co., Deptford, London, S.E.

1904. Davenport, John Alfred, East London Technical College, People's Palace, Mile End Road, London, E.

1894. Davey, Edward Ernest George, Polytechnic School of Engineering, 309 Regent Street, London, W.

1903. Davidson, James Samuel, General Manager, Sirocco Engineering Works, Bridge End, Belfast. [*Sirocco, Belfast.* 327.]

1901. Davidson, John, Messrs. Browett, Lindley and Co., Patricroft, Manchester; and Innellan, Devonshire Road, Pendleton, Manchester.

1903. Davie, James Paterson, Mirrlees, Watson Co., Scotland Street, Glasgow.

1901. Davies, Francis Edward, Messrs. Simpson and Co., 101 Grosvenor Road, Pimlico, London, S.W.; and 51 Tregunter Road, South Kensington, London, S.W.

1904. Davies, Frederick William, Water Offices, St. Peter's Church Side, Nottingham.

1904. Davies, William David, Messrs. Davies and Morgan, 35 and 36 Wind Street, Swansea. [*Advance, Swansea.* 570.]

1902. Davis, Algernon Henry, General Manager, Wells and Baths, The Royal Baths, Harrogate.

1903. Davis, Charles Richard Stanley, Messrs. Reunert and Lenz, P.O. Box 92, Johannesburg, Transvaal, South Africa.

1904. Davis, Edmund James, 61 Great Eastern Road, Stratford, London, E. [462 Stratford.]

1896. Davis, Francis Myddleton, Works Manager, Messrs. R. and T. Elworthy, Elizabethgrad, Russia.

1900. Davis, Harry Charles, care of Druitt Halpin, 17 Victoria Street, Westminster, S.W.

1903. Davson, Stephen Frederick, Engineer-in-Chief's Office, G.P.O., St. Martin's-le-Grand, London, E.C.

1897. Davy, David, 48 North British and Mercantile Buildings, Leeds. [*Conqueror, Leeds.*]

1902. Dawbarn, Reginald Proctor, care of Señor Don J. A. Villalonga Administrador General F. C. Gran Oeste Argentino, Mendoza, Argentine Republic.

1901. Dawson, Henry Watson, Heather Lea, Timperley, Altrincham.

1902. Dawson, John Edward, Corporation Electricity Works, West Hartlepool.

1890. Day, Arthur Godfrey, Director of Studies, Science Art and Technical Schools, Guildhall, Bath.

1899. Day, Claud Albert Stainton, Messrs. Dick, Kerr and Co., 110 Cannon Street, London, E.C.; and Grosvenor House, Isleworth.

1902. Deacon, Robert Dugald, Anglo-Chilian Nitrate and Railway Co., Tocopilla, Chile.

1903. Deakin, George Welsby, Clovelly, Church Road, Penn Fields, Wolverhampton.

1901. Dean, George, Warblington, Havant.

1901. Delacour, Harry Mark, care of C. E. Masterman, 28 Victoria Street, Westminster, S.W.

1905. Dell, Francis Albert Bleckly, Messrs. W. R. Dell and Son, Reliance Works, Factory Lane, Croydon.

1904. Deluce, Samuel Alfred Nelson, General Manager, Messrs. W. T. Ellison and Co., Irlams-o'-th'-Height, Manchester.

1903. Dennis, George Stanley, 26 Newton Road, Bayswater, London, W.

1904. Derbyshire, John, Victoria Coal and Coke Co., Southgate House, Wakefield.

1899. De Ville, Martin, Ocean Accident and Guarantee Corporation, 36–44 Moorgate Street, London, E.C.

1904. Dew, Joseph Turner, St. John's, Antigua, West Indies.

1903. Dewhirst, James, Surveyor and Waterworks Engineer, Chelmsford Rural District Council, Avenue Chambers, Chelmsford.

1903. Dews, James Walter, Municipal Technical College, Bradford.

1901. Dickinson, Henry Winram, Victoria and Albert Museum, South Kensington, London, S.W.

1898. Dickinson, William, Messrs. Dickinson and Burne, Church Acre Iron Works, Guildford. [*Ploughshare, Guildford.* 40.]

1901. Digby, William Pollard, Messrs. W. Hutchinson and Co., Trafalgar Buildings, Northumberland Avenue, London, W.C.

1902. Dixon, John, 219 St. Vincent Street, Glasgow.

1898. Dobbs, Herbert Treadwin, Locomotive Carriage and Wagon Department, Barry Railway, Barry, near Cardiff.

1904. Dobson, Benjamin Palin, Messrs. Dobson and Barlow, Kay Street Machine Works, Bolton. [*Dobsons, Bolton.* 43.]

1899. Dodridge, Frederick, Chief Engineer's Office, Keyham Yard, Devonport; and 58 Amherst Street, Plymouth.

1904. Dombrain, Henry Athelstan Acworth, Lenham, Maidstone.

1904. Don, John, Rector, Peterhead Academy (Higher Grade School), 53 King Street, Peterhead.

1902. Donaldson, James, Works Manager, Messrs. R. J. Hanbury and Co., Plough Bridge Works, Deptford, London, S.E.

1898. Donne, Frederick Edward Mowbray, Locomotive Department, Midland Railway, Derby.

1903. Dougill, Alfred, Messrs. Alfred Dougill and Co., 36 Great George Street, Leeds. [*Dougill, Leeds.* 586.]

1904. Douglas, Charles Edward, Messrs. Mather and Platt, Salford Iron Works, Manchester.

1899. Douglas, William Saunders, Consett Iron Works, Consett, R.S.O., County Durham.

1891. Douglass, Alfred Edwards, South Staffordshire Water Works, Paradise Street, Birmingham.

1904. Dow, Harold Percy, Compagnie Centrale de Construction, Suffolk House, Cannon Street, London, E.C.

1902. Down, Percy Bissett, Messrs. Thomas Parker, Wolverhampton.

1896. Dowson, Erasmus Charles Head, 502 Merchants' Bank Building, Montreal, Canada.

1898. Dowson, Robert Manning, The Park, Nottingham.

1900. Drake, Arthur James, General Manager, Stirling's Motor Carriages, Granton, Edinburgh.

1901. Draycott, George Edwin, Borough Road Polytechnic, London, S.E.

1900. Dresser, Charles, The Engineering Standards Committee, 28 Victoria Street, Westminster, S.W.

1900. Drewitt, William Henry, Messrs. J. and P. Coats, Ferguslie Thread Works, Paisley.

1904. Drinnan, John, 417 Main Road, Darnall, Sheffield.

1904. Drury, Henry William Collins, District Locomotive Superintendent, Great Eastern Railway, Doncaster.

1902. Dryden, William, Grimshaw Street Foundry, Preston.

1903. Duke, Reginald Francis, Messrs. Duke and Ockenden, Ferry Wharf Works, Littlehampton. [*Dando, Littlehampton.* 6.]

1895. Dumas, Robert, General Electric Co., Witton, Birmingham.

1901. Duncan, John, Municipal Technical Institute, Romford Road, West Ham, London, E.

1903. Dunkerton, Ernest Charles, Box 13, Royal Exchange, Glasgow.

1904. Dunn, James, Engineering Department, Leeds Technical School, Cookridge Street, Leeds.

1902. Dunt, Robert Archibald, 61 London Road, Southampton.

1903. Dyson, John Daniel, Manager, Messrs. Fynn and Co., 14 Royal Arcade, Bradford.

1903. Eades, John, Jun., Manchester Corporation Tramways, 55 Piccadilly, Manchester.

1901. Eastlake, Arthur William, 4 Bishopsgate Street Within, London, E.C.

1902. Eaton, George Henry, 18 Broxash Road, Clapham Common, London, S.W.

1903. Edge, Thomas, Controller's Department, Room 100, Old Building, Admiralty, Whitehall, London, S.W.

1900. Edleston, Alfred Edward, Mond Nickel Co., Clydach-on-Tawe, Glamorgan.

1893. Edmondson, Alfred Richard, M.Sc., The Oaks, Moss Lane, Timperley, Altrincham.

1904. Edward, Frank, Works Manager, Messrs. G. Waller and Son, Phœnix Iron Works, Stroud, Gloucestershire.

1902. Edwards, Arthur Octavius, Granville House, Arundel Street, Strand, London, W.C.

1899. Edwards, James George Benjamin, Engineering Department, Cockburn Schools, Leeds.

1900. Ellington, Guy, London Hydraulic Power Co., 9 Bridge Street, Westminster, S.W.; and Monkton Lodge, Kingston Hill, Kingston-on-Thames.

1904. Elliott, George Henry, 186–188 Long Lane, Bermondsey, London, S.E. [1869 Hop.]

1903. Ellis, Bernard Pemberton, Wyehall, King's Norton, Birmingham.

1904. Ellis, Jesse, Jun., Works Manager, Messrs. Jesse Ellis and Co., Invicta Works, St. Peter Street, Maidstone.

1900. Ellison, John, 29 Bridge House, 181 Queen Victoria Street, London, E.C.

1902. Embleton, Charles Arnold, care of George Cawley, 25 Victoria Street, Westminster, S.W.

1904. Emery, James Inman, Messrs. P. Orr and Sons, Mount Road, Madras, India.

1905. English, Robert, Engineer, Christchurch Gas Co., Christchurch, New Zealand.

1900. Enock, Arthur Guy, 407 Birkbeck Bank Chambers, Holborn, London, W.C. [*Icerimus, London.*]

1899. Enock, Eric Cuthbert, Messrs. A. G. Enock and Co., 406–409 Birkbeck Bank Chambers, Holborn, London, W.C.

1904. Enock, John Kemp, Messrs. A. G. Enock and Co., 406-409 Birkbeck Bank Chambers, Holborn, London, W.C.

1902. Epps, Laurence George John, Natal Government, 39 Victoria Street, Westminster, S.W.

1902. Ermen, George, Wardry Works, 152-156 Chapel Street, Salford, Manchester.

1902. Espeut, Reginald William Armit, Sierra Leone Railway, West Africa.

1902. Etchells, Ernest Fiander, Building Act Office, London County Council, Spring Gardens, London, S.W.

1903. Etlinger, George Ernest, Messrs. John Birch and Co., 3 London Wall Buildings, London, E.C.

1900. Evans, Griffith Cooper, Messrs. A. L. Secretan and Co., Johannesburg, Transvaal, South Africa.

1904. Evans, Malcolm Thomas, 12 Queen's Square, Bristol.

1904. Everett, George Eliot, 45 Lansdowne Road, Bedford.

1901. Evetts, William, Jun., Tackley, Oxford.

1902. Excell, Maurice Stanley, 1 Honiton Road, Kilburn, London, N.W.

1904. Eyers, Cyril, 13 Brookfield Street, Wargrave Road, Earlestown, Newton-le-Willows.

1899. Fairley, Frank, Engineer's Department, Metropolitan Electric Tramways, 62 Finsbury Pavement, London, E.C.

1904. Farnham, William Augustus, Engineer and Surveyor, Foots Cray Urban District Council Offices, Sidcup, R.S.O., Kent.

1903. Farnsworth, Alfred William, The Strand Chambers, Derby.

1895. Fawcett, Percy William, Middlewood Hall, near Sheffield.

1904. Fearnley, George William, East London Technical College, People's Palace, Mile End Road, London, E.

1903. Fellows, Thomas Edgar, Municipal Engineer and Surveyor, Town Hall, Willenhall, Wolverhampton.

1903. Ferguson, Russell Forrester, Borough Electrical Engineer, Hastings Corporation, Earl Street, Hastings.

1903. Fernandez, Rafael, Belgrano 942, Buenos Aires, Argentine Republic.

1900. Fiegehen, Edward George, Bedford Engineering Co., Bedford.

1904. Field, Arthur Josiah, Messrs. Lansard and Co., 216 Goswell Road, London, E.C.

1894. Finlayson, David, Fenton Street, Alloa.

1902. Finnie, William, Messrs. Howarth, Erskine and Co., Singapore, Straits Settlements.

1900. FitzHerbert, Arthur Hugh Francis, 5 St. James's Mansions, Muswell Hill, Hornsey, London, N.

1895. Fleischer, Paul, Messrs. A. Guinness, Son and Co., St. James' Gate Brewery, Dublin.

1905. Fletcher, Frank Purser, Corporation Electricity Works, Globe Lane, Woolwich.

1898. Fletcher, Harold Clarkson, Messrs. Johnson and Fletcher, P.O. Box 580, Bulawayo, Rhodesia, South Africa.

1892. Fletcher, Joseph Ernst, Messrs. Charles Cammell and Co., Cyclops Works, Sheffield.

1902. Fletcher, William Charles, Government Model Workshops, Boulac, Cairo Egypt.

1899. Flint, Leonard Robert, Babcock and Wilcox Co., New York Life Building, Place d'Armes, Montreal, Canada.

1902. Forbes, James Taylor, 2 Berkeley Terrace, Glasgow.

1902. Forga, Alfred, Engineer and Manager, Cotton Spinning and Weaving Mill, Arequipa, Peru.

1902. Forgan, Charles, Power House Superintendent, Central London Railway, Shepherd's Bush, London, W.

1901. Forster, Andrew, Messrs. J. Samuel White and Co., Cowes, Isle of Wight.

1903. Forster, Richard, The Horsehay Co., Horsehay, R.S.O., Shropshire.

1904. Forsyth, Reginald James, 26 The Crescent, Salford, Manchester.

1904. Forsyth, William, Ingenio San Antonio, Chichigalpa, Nicaragua.

1902. Forward, Ernest Alfred, Machinery Division, Victoria and Albert Museum, South Kensington, London, S.W.

1895. Foster, Edward Hornby, Messrs. John Foster and Son, Black Dike Spinning Mills, Queensbury, near Bradford.

1904. Foster, Robert John, Hadfield's Steel Foundry Co., East Hecla Works, Sheffield; and Lyme Villa, Rotherham.

1902. Foster, Sydney, Lancashire and Yorkshire Railway, Fleetwood, R.S.O., Lancashire.

1904. Fothergill, Samuel Fothergill Watson, Manager, Messrs. E. Reader and Sons, Cremorne Street, Nottingham.

1901. Fox, Edmund John, Grosvenor House, Clifton Road, Rugby.

1899. Fox, Frederick Joseph, Messrs. Bryan Corcoran, Back Church Lane, Whitechapel, London, E.; and Ely, Kingston Road, Romford.

1904. Fradley, Herbert Thomas, Messrs. W. and H. M. Goulding, Dublin.

1902. Francis, Adolphus Sydney, Engineer, Gas and Water Department, Town Hall, Clacton-on-Sea.

1896. Fraser, Frank Hazell, Messrs. W. J. Fraser and Co., 98 Commercial Road East, London, E. [*Fraser, Engineer, London.* Avenue 4413.]

1902. Fraser, William Stuart, District Locomotive Superintendent, Bombay, Baroda and Central India Railway, Bandikui, Rajputana, India.

1899. Freeman, Walter William, Grove House, Grove Road, Fenton, Stoke-on-Trent.

1902. French, Frederick Charles, London and South Western Railway Locomotive Works, Nine Elms, London, S.W.

1899. French, Arthur Houle, Chelmsford Electric Lighting Co., Arc Works, Chelmsford.

1897. Frerichs, Jacob Andrew, Messrs. H. Eckstein and Co., P.O. Box 149, Johannesburg, Transvaal, South Africa.

1900. Fripp, Steuart, Jun., Assistant Locomotive Superintendent, Great Western of Brazil Railway, Caixa 114, Pernambuco, Brazil.

1903. Frost, Henry Maurice, Messrs. Humphreys and Glasgow, 38 Victoria Street, Westminster, S.W.

1903. Fryer, Frederick George, Messrs. Rowntree and Co., Cocoa Works, York.

1903. Fryer, John Edwin George, Messrs. Humphreys and Glasgow, 38 Victoria Street, Westminster, S.W.

1901. Fryer, Tom Jefferson, Managing Director, Midland Manufacturing Co., 20 Change Alley, Sheffield.

1904. Furness, Reginald Lester, Messrs. Fraser and Chalmers, Salisbury, Rhodesia.

1900. Furnivall, William Henry Graham, P.O. Box 6008, Johannesburg, Transvaal, South Africa.

1902. Gahagan, Roland Hayes, Messrs. George Gahagan and Co., Byculla, Bombay, India.

1899. Gale, Robert Harry, 38 Scarsdale Villas, Kensington, London, W.

1896. Gallé, William Alexandre, Locomotive Department, Great Central Railway, Gorton, Manchester.

1900. Garland, Frederick Joseph, 39 Sisters Avenue, Clapham, London, S.W.

1902. Garnett, Herbert, Irish Peat Development Co., Maghery, Moy, Ireland. [*Garnett, Maghery.*]

1901. Garratt, Ernest Albert, Messrs. Jacobs and Barringer, 78 Gracechurch Street, London, E.C.

1896. Garratt, James Herbert, Messrs. Boustead Brothers, Colombo, Ceylon.

1896. Garrett, Easton, Messrs. Bailey, Walker and Co., 456 Calle Cuyo, Buenos Aires, Argentine Republic.

1890. Garrett, Frank, Jun., Messrs. Richard Garrett and Sons, Leiston Works, Leiston, R.S.O., Suffolk.

1902. Garrett, John Dunnell, 27 Victoria Square, London, S.W.

1898. Garvey, Richard Godfrey Hamilton, 25 Park Mansions, Prince of Wales Road, Battersea, London, S.W.

1900. Gash, Lumley Clifton, Works Manager, Messrs. William Foster and Co., Lincoln.

1903. Gaskell, Holbrook, Jun., Chief Engineer's Office, United Alkali Co., Widnes.
1900. Gaston, Alfred Benjamin, care of Peking Syndicate, Tientsin, China.
1904. Gavey, Arthur, Messrs. Siemens, P.O. Box 3003, Johannesburg, Transvaal, South Africa.
1901. Gawthorne, William Arthur, Kohinoor Mills Co., Bombay, India.
1902. Geach, Lewis Cecil, Locomotive Department, Midland Railway, Canklow, Rotherham.
1903. Gee, Thomas John, Superintending Engineer, Messrs. Agar, Cross and Co., 124 Calle Defensa, Buenos Aires, Argentine Republic.
1903. Geen, Harry, Culver Lodge, Newton Abbot.
1902. Gentry, Buchan Stratton, The Nook, Grange Road, Chiswick, London, W.
1900. George, James MacNaughten, Gourepore Co., Gourepore, near Calcutta, India.
1902. George, John William, Lynn Cottage, Dighton Road, Wandsworth, London, S.W.
1904. George, William Carlisle, Works Manager, Government Khedivial Technical School, Cairo, Egypt.
1899. Gibbins, John Ernest, Shoreham Saw Works, White Croft, Sheffield.
1904. Gibson, Edward Marriott, Schlüsselburg Calico Printing Co., Schlüsselburg, Russia.
1900. Gibson, George Henry, 246 Bath Street, Glasgow. [*Consultant, Glasgow.*]
1904. Gill, Charles Edgar, Cumberland Telephone and Telegraph Co., New Orleans, La., United States.
1900. Ginders, Ernest Marsh, 12 College Road, Moseley, Birmingham.
1904. Girling, Herbert Charles, Messrs. Colegrave and Co., Dispensary Lane, Newcastle-on-Tyne.
1896. Given, Ernest Cranston, Messrs. Priestman and Co., Philadelphia, Pennsylvania, United States; and 4 Hargreaves Road, Liverpool.
1902. Gledhill, Arthur Henry, Messrs. G. H. Gledhill and Sons, Trinity Works, Halifax.
1901. Goddard, William Herbert, care of General Manager, Great Southern Railway, Buenos Aires, Argentine Republic.
1900. Godson, Edward Harold, Cheadle House, Cheadle, Cheshire.
1896. Goffe, Edward, P.O. Box 5165, Johannesburg, Transvaal, South Africa.
1902. Goldarbeiter, Joseph Leonard, 21 Kronverkskaia Street, St. Petersburg, Russia.
1902. Goldie, Robert Murdoch, Messrs. Riley, Hargreaves and Co., Singapore, Straits Settlements.
1898. Golding, Henry Albert, 51 The Grove, Wandsworth, London, S.W.
1902. Golledge, William Thomas, Messrs. Aublet, Harry and Co., 53–55 Curtain Road, London, E.C.
1904. Goodacre, William Geoffrey, 96 Stone Hill Road, Derby.

1904. Goodbehere, Eric, Messrs. Brooks and Doxey, 131 Dornacherstrasse, Basle, Switzerland.

1900. Goodman, Alfred Christian, General Manager, Patent Enamel Co., Selly Oak, Birmingham. [*Original, Selly Oak.*]

1904. Goodyear, William, Chief Mechanical Engineer, Brooks' Cement Works, Grays.

1903. Goolding, Edmund, Traction Department, British Thomson-Houston Co., Rugby.

1902. Gordon, Charles William, 8 Murray Road, Brentford.

1898. Gordon, James, 52 Lime Street, London, E.C. [*Gordolobo, London*]; and 23 St. James' Mansions, West End Lane, West Hampstead, London, N.W.

1897. Gordon, John Wilton, Messrs. John Gordon and Co., Dashwood House, 9 New Broad Street, London, E.C.

1901. Gore, Herbert Reginald, Messrs. H. R. Gore and Co., 8 Fowkes Buildings, Great Tower Street, London, E.C.

1902. Gott, Joseph Barraclough, Sandycroft Foundry Co., near Chester.

1902. Goudie, William John, 92 Albert Drive, Crosshill, Glasgow.

1901. Goulding, Benjamin Joseph John, Chief Engineer, Machinery Trust, 189 Fleet Street, London, E.C.

1899. Goulstone, Ernest Edwin, Superintendent, Water and Sewage Works, Cawnpore, India.

1902. Graham, James Lindsay, 4 Melford Avenue, Thornton Heath, Surrey.

1900. Graham, Walter, Managing Director, Messrs. John Hastie and Co., Kilblain Engine Works, Nicholson Street, Greenock. [*Hastie, Greenock.* 133.]

1901. Grant, Daniel John, Messrs. Harland and Wolff, Queen's Island, Belfast.

1897. Grant, Hector, 300 Bath Street, Glasgow.

1896. Grant, William, Messrs. Workman, Clark and Co., Engine Works, Queen's Road, Belfast.

1904. Gravell, Arthur, Nahan Foundry, Nahan, near Umballa, Punjaub, India.

1905. Gray, James, care of Robert Stotesbury, 22 Victoria Street, Bristol.

1902. Greaves, Horace John, Manager, Messrs. Graham, Morton and Co., Black Bull Street, Leeds.

1904. Greaves, William, Hadfield's Steel Foundry Co., East Hecla Works, Sheffield.

1902. Green, Bernard Joseph, Chief Engineer, Drainage and Waterworks, Town Hall, Kidderminster.

1905. Green, Frederick Walton, Electricity Works, Commercial Road, Wolverhampton.

1903. Green, Harry Hewlett Richard, Gun Mounting Drawing Office, Messrs. Vickers, Sons and Maxim, Barrow-in Furness.

1899. Green, John Singleton, Municipal Offices, Haslingden, near Manchester.

1900. Greene, Frank Arnold, Messrs. Henry Greene and Co., 22 Martin's Lane, London, E.C. [*Three Keys, London.* Bank 5827.]

1904. Gregson, Bryan Padgett, Bolton Iron and Steel Co., Bolton.

1904. Griffiths, Edward Meredith, Messrs. C. W. Burton, Griffiths and Co., 1–3 Ludgate Square, Ludgate Hill, London, E.C. [*Hibou, London.* 5423 Bank.]

1902. Griffiths, Harold, Messrs. Kynoch, Witton, Birmingham; and Thornbury, Woodbourne Road, Edgbaston, Birmingham.

1904. Griffiths, Ralph Stanley, Resident Engineer, Messrs. McKenzie and Holland, 61 Sinclair Road, West Kensington, London, W.

1900. Grimley, William Richard Nash, Chief Engineer, Alliance Electrical Co., 137 Regent Street, London, W.

1893. Gritton, Joseph, The Laurels, Hawarden, Chester.

1903. Groom, Isaac Stephen West, District Locomotive Superintendent, Great Northern Railway, Grantham.

1902. Groundwater, Alick George, Stoneywood Wood Works, Bucksburn, Aberdeen.

1895. Groundwater, Samuel, Messrs. S. C. Farnham, Boyd and Co., Shanghai, China.

1897. Grove, Harry, Ivy Dene, Pinhoe Road, Exeter.

1895. Groves, Montague, P.O. Box 111, Salisbury, Rhodesia, South Africa.

1903. Groves, Thomas, Executive Engineer, Government Factory, Selangor, Federated Malay States.

1903. Guest, George Nevill, Messrs. Hollings and Guest, Thimble Mill Lane, Aston, Birmingham. [3060.]

1903. Gulliver, Gilbert Henry, Engineering Laboratory, The University, Edinburgh.

1904. Gutcher, William, Works Manager, Singapore Oil Mills, Singapore, Straits Settlements.

1904. Guyatt, David John, Patent Shaft and Axletree Co., Wednesbury.

1904. Haden, Charles Ingham, Messrs. G. N. Haden and Sons, St. George's Works, Trowbridge. [*Haden, Trowbridge.* 2.]

1894. Hadengue, Charles Benjamin, Messrs. Carew and Co., Rosa Sugar Works, Rosa, North Western Provinces, India.

1899. Hadley, William Pearce Holbrow, Attamkhat Tea Estate, Singraban Hat P.O., Mangaldai, Darrang, Assam, India.

1902. Hailey, Frank Percival, Messrs. R. W. Blackwell and Co., 59 City Road, London, E.C.; and 15 Shaftesbury Road, Ravenscourt Park, London, W.

1902. Hale, Harold, Electric Light Works, Montrose.
1902. Haler, Percy James, 26 Argyle Road, Tottenham, London, N.
1896. Hall, Benjamin James, 39 Victoria Street, Westminster, S.W.
1902. Hall, John Edward, Messrs. Howarth Erskine and Co., Singapore, Straits Settlements.
1904. Hall, Samuel, Wrexham and East Denbighshire Water Co., Egerton Street, Wrexham.
1903. Ham, Frederic George Sison, Messrs. Ham, Baker and Co., 13 Grosvenor Road, Westminster, S.W.
1905. Hamblin, Henry Joel, Chief Engineer, Oakhill Brewery Co., Oakhill, Bath.
1903. Hamilton, Alexander, Jun., Seron, Almeria, Spain.
1901. Hamilton, Thomas Fulton, Carron Iron Works, Carron, R.S.O., Stirlingshire.
1901. Hampton, Joseph, Samuel Buckley, St. Paul's Square, Birmingham.
1904. Hanbury, Herbert Wood, 8 Dunearn Street, Glasgow, W.
1903. Handy, Charles Edward, Technical School, Corporation Street, Preston.
1904. Hannah, James Cameron, Messrs. Crossley Brothers, Guildhall Road, Northampton. [36 Y.]
1901. Hanning, William, 17 Rue de Maubeuge, Paris.
1903. Hansom, Oswin, Premier Chambers, Fleetwood, R.S.O., Lancashire. [*Dynamo, Fleetwood.*]
1904. Harden, George Frederick St. Clair, Messrs. Crompton and Co., 50 Wellington Street, Glasgow.
1903. Hardie, Edward Peter, Law Accident Insurance Society, 215 Strand, London, W.C.
1901. Hardwick, Eustace James, Messrs. W. H. Willcox and Co., 23 Southwark Street, London, S.E.; and 42 Linthorpe Road, Stamford Hill, London, N.
1902. Hardy, James Henry, Municipal Technical School, Halifax.
1894. Hardy, William, Messrs. Joseph Fisher and Sons, Newry, Ireland.
1898. Harling, William, Borrowdale House, Lancaster.
1897. Harlow, Bernhard Schäffer, Messrs. Robert Harlow and Son, Heaton Norris Brass Works, Stockport.
1902. Harper, Neville Charles Thomason, Batstones, North Shepstone, Natal.
1903. Harris, Francis Graham Reynolds, Messrs. Bramwell and Harris, Royal Chambers, Queen Street, Cardiff.
1904. Harris, Henry Burden, Engineer to the Croydon Corporation Tramways, (British Electric Traction Co., Lessees), Croydon.
1901. Harris, Henry Evans, Manager, Messrs. Massey and Co., Madras, India.
1894. Harris, Herbert Nelson, St. Michael's Foundry, Bridport.

1904. Harris, Stephen Edward, Messrs. A. Guinness, Son and Co., St. James' Gate Brewery, Dublin.

1901. Harris, William Robert Alexander, Messrs. Thomas and Green, Soho Paper Mills, Wooburn, Bucks.

1904. Harrison, Nigel Sydney Augustine, Messrs. Dorman, Long and Co., Middlesbrough.

1905. Harrison, Richard, Engineer, Water Works, Hornsea, Hull.

1904. Hart, Herbert Alfred, Cardiff Railway Co.'s Works, Bute Yard, Tyndall Street, Cardiff.

1903. Hartley, Herbert Anderson, Messrs. Reavell and Co., Ranelagh Works, Ipswich.

1899. Harwood, James Henry, Messrs. Masson, Scott and Co., Coronation Wharf, Townmead Road, Fulham, London, S.W.

1897. Harwood, Robert Henry, Upper Hoogly Jute Mill, 9 Garden Beach, Calcutta, India.

1900. Haskew, Frederick John Thomas, Haskew Walton Co., Winchester House, Victoria Square, Birmingham.

1902. Haslam, Alfred Victor, Union Foundry, Derby.

1902. Haste, Frederick Charles, Crown Buildings, 62 Old Broad Street, London, E.C. [*Management, London.*]

1902. Hathorn, James Charles Murray, P.O. Box 55, East Rand, Transvaal, South Africa.

1901. Hatschek, Emil, Niles-Bement-Pond Co., 138 Liberty Street, New York, United States.

1900. Haughton, George Bayly, Messrs. Haughton and Co., 6 Lombard Court, London, E.C. [*Haughnot, London.*]

1896. Hawes, David Marc Andrew Graham, Bourne Engineering Co., 19 and 21 Queen Victoria Street, London, E.C.

1903. Hawkins, Elyot Sydney, General Manager, Colne Valley Railway, Halstead.

1901. Hawkins, Lawrence Granville, care of F. Baerlein, 125 Rua dos Bacalhoeiros, 1, Lisbon, Portugal.

1897. Hawkins, Thomas Spear, Millpond House, Hayle.

1902. Hawksley, Charles William, Brightside Boiler and Engine Works, Savile Street East, Sheffield.

1900. Hawksworth, Frederick Sydney, Messrs. John Spencer and Co., Globe Tube Works, Wednesbury; and Great Bridge, Tipton.

1903. Hayward, George, Roe Steel Castings Co., West Drayton, Middlesex.

1904. Hayward, Joseph William, Central Technical College, Exhibition Road, London, S.W.

1900. Haywood, Arthur Robert, Locomotive Department, Great Central Railway, Staveley, Chesterfield.

1904. Head, Henry Coleman, General Manager, Winchester Water and Gas Co., 19 Staple Garden, Winchester.

1896. Heath, Charles Lewis Eclair, Municipal Technical School, Park Street, Hull.

1903. Heath, James Fox, Heathfield, Lansdowne Grove, Neasden, London, N.W.

1903. Hedley, William Scott, 3 Summerhill Grove, Newcastle-on-Tyne.

1897. Hemingway, Alfred, Great Southern Railway, Albany, Western Australia.

1902. Hemingway, Ransome Leigh, Locomotive Department, Natal Government Railways, Durban, Natal.

1902. Henderson, Donald Douglas, Messrs. Inder and Henderson, Jamaica Buildings, St. Michael's Alley, Cornhill, London, E.C. [*Inderdaad, London.* 9187 Central.]

1901. Henderson, Robert, Messrs. W. M. Melville and Henderson, Sinclairtown Foundry, Kirkcaldy.

1899. Hepworth-Collins, Walter, care of Messrs. Edward Wihl and Co., 17 Nicholas Street, Manchester. [*Collins, care Astra, Manchester.*]

1898. Herschmann, Arthur Julius, Geo. A. Fuller Construction Co., 945 Broadway, New York, United States.

1903. Hervey, Charles, Grove Cottage, Tonbridge.

1904. Hesketh, Thomas, Engineer and Manager, Folkestone Electricity Supply Co., Folkestone.

1901. Heward, Sidney Edgar, 52 Wickham Road, Brockley, London, S.E.

1901. Heydeman, Harry George Julius, The Royal Societies' Club, 63 St. James's Street, London, S.W.; and 62 Greencroft Gardens, South Hampstead, London, N.W.

1902. Hickinbotham, William Trussell, Coolhurst, Holly Park, Crouch Hill, London, N.

1900. Hicks, Fredrick George, 103 Mortimer Road, Kingsland, London, N.

1901. Higginbotham, George, Calico Printers' Association, 56 Mosley Street, Manchester.

1902. Higginson, Frank, Engineer, Broadstairs Gas Co., Alexandra Road, Broadstairs.

1903. Higgs, Arthur Franklin, Chief Engineer, International Fuel Co., Chicago, Ill., United States; and Clarence House, Russell Street, Gloucester.

1899. Hildage, Henry Thomas, New York, Long Island and Pennsylvania Railway, Astor Court Buildings, 34 West 34th Street, New York, United States.

1898. Hill, Alfred Percy, 144 Machon Bank, Nether Edge, Sheffield.

1903. Hill, Frederick John, Messrs. Death and Ellwood, Joseph Street, Leicester. [*Dethel, Leicester.* 1127.]

1898. Hill, Joseph, Western Works, Hythe Road, Willesden Junction, London, N.W.

1897. Hill, Walter Charles, 6 Westbourne Grove, Bayswater, London, W.

1902. Hinchliffe, George William, City Engineer's Office, Municipal Buildings, Leeds.

1902. Hincks, John Murray, Kolar Gold Fields, Mysore State, South India; and Manikuppam, Mysore State, South India.

1902. Hislop, David Blaikie, Messrs. John Blaikie and Sons, Aberdeen.

1901. Hislop, George Robertson, Jun., 13 St. James Place, Paisley.

1902. Hislop, Laurence Robertson, Corporation Gas Works, Craigielea, Paisley.

1895. Hockley, Norman Julius, care of Michael Longridge, 12 King Street, Manchester.

1903. Hodgetts, Walter Best, Messrs. Walker and Hodgetts, St. Simon's Electrical Works, Salford, Manchester.

1900. Hodgson, George Henry, P.O. Box 616, Sydney, New South Wales.

1898. Hodgson, Richard Broom, 35 Woodend Road, Erdington, Birmingham.

1901. Hodsdon, George Charles, Messrs. Yates and Thom, Canal Foundry, Blackburn.

1903. Hodson, Frank Herbert, Messrs. Bailey-Denton and Partners, Palace Chambers, Bridge Street, Westminster, S.W.

1903. Hodson, Horace Malcolm, Messrs. Bryan Donkin and Clench, Parliament Mansions, Victoria Street, Westminster, S.W.

1901. Hogg, John Thallon, Locomotive Department, Government Railways, Durban, Natal.

1901. Holbrow, Charles Anthony, The Wold, Woldingham, Surrey.

1902. Holden, Eustace Charles, Bradshaw, Bolton.

1902. Holland, Bernard Augustus, Messrs. Tannett Walker and Co., Goodman Street Works, Hunslet, Leeds.

1901. Hollick, Aubrey Samuel, South Fambridge, Rochford, Essex.

1905. Holliday, Charles Edward, Messrs. Hans Renold, Progress Works, 3 Brook Street, Manchester.

1896. Hollingsworth, Edward Massey, St. Helens Corporation Electricity Works, St. Helens, Lancashire.

1903. Hollis, Sydney Ainslie, care of Town Clerk, Bloemfontein, Orange River Colony, South Africa.

1904. Hollows, Arthur, Messrs. Brunner, Mond and Co., Northwich.

1899. Holmes, Harry, Heath View, Mickleover, Derby.

1903. Holmes, Richard John Montague, Corporation Tramways, Manors, Newcastle-on-Tyne.

1898. Holroyd, Victor Avison, Works Manager, Messrs. Rudge-Whitworth, Coventry; and Royd Lodge, Earlsdon, Coventry.

1905. Holroyde, George Ernest, New Farm Sugar Refinery, Brisbane, Queensland.

1902. Hope, Alaric, Engineer's Office, Dockyard, Liverpool.

1901. Hopkinson, Allen Haigh, Messrs. J. Hopkinson and Co., Britannia Works, Huddersfield. [*Hopkinson, Huddersfield.* 169.]

1895. Horner, Joseph Gregory, 45 Sydney Buildings, Bath.

1899. Horsnaill, William Owen, Messrs. Crompton and Co., Arc Works, Chelmsford.

1903. Horton, Leonard Wilson, Messrs. Horton and Son, Alma Works, Darlaston, Wednesbury.

1903. Hoult, Wilfred, Messrs. Siemens Brothers and Co., Stafford.

1904. Houston, Percival Turner, Coronation House, 4 Lloyd's Avenue, London, E.C. [*Hougalen, London.* 11396 Central.]

1904. Howard, Henley Lionel, Corporation Electricity Works, Dickinson Street, Manchester.

1900. Howell, Edwin James, Messrs. Handley and Shanks, 40 Great Charles Street, Birmingham.

1904. Howell, Thomas Braithwaite, British Westinghouse Electric and Manufacturing Co., Trafford Park, Manchester.

1904. Howson, George, Messrs. Yarrow and Co., Isle of Dogs, Poplar, London, E.

1902. Hoyte, Percy Siddons, Manager, Plymouth and Stonehouse Gas Light and Coke Co., Coxside, Plymouth.

1905. Hudlass, Felix William Isherwood, Automobile Club of Great Britain and Ireland, 18 Down Street, London, W.

1903. Hudson, Ernest Victor, Wolseley Sheep Shearing Machine Co., Sydney Works, Alma Street, Birmingham.

1902. Hudson, Gerard (*Life Associate Member*), Koffyfontein Mines, Koffyfontein, Orange River Colony, South Africa.

1899. Hughes, Francis Edward Harold, care of G. T. Harrap, 5 Budge Row, Cannon Street, London, E.C.

1901. Hughes, George William, care of Alexander Smith, 54 Colmore Chambers, 3 Newhall Street, Birmingham.

1901. Hummel, Horace James Jordan, Pintsch's Patent Lighting Co., 38 Leadenhall Street, London, E.C.

1904. Humphrey, Frederick George, Messrs. George Humphrey and Co., 166 High Street, Sevenoaks.

1899. Humphreys, William Henry, Manager, York Water Works, Lendal Hill, York. [42.]

1904. Hunt, Edward, 11 Pretoria Street, Calcutta, India.

1902. Hunt, Frank, Messrs. R. Hunt and Co., Atlas Works, Earls Colne, R.S.O., Essex.

1902. Hunter, Edgar Lafayette, Messrs. Tannett Walker and Co., 64 Merchants' Exchange, Cardiff.

1903. Hunter, John Chalmers, Great Central Railway, Gorton Works, Manchester.

1905. Hunter, John William, Edwards' Air Pump Syndicate, 3–5 Crown Court, Old Broad Street, London, E.C.

1903. Hurst, Bertram Lawrance, Assistant Civil Engineer, H.M. Dockyard, Portsmouth.

1902. Hursthouse, Ernest William, Chief Inspector of Boiler Branch, Mines Department, Perth, Western Australia.

1904. Hussey, Frederick Kinneer Eyre, The Lawn, Mudeford, Christchurch.

1900. Hutchinson, Richard John, 1 Cannon Mount, Birkenhead.

1902. Hyde, George, Parkholme, Prescot Road, St. Helens, Lancashire.

1902. Illingworth, William, Jun., 9 Market Street, Bradford.

1905. Ince, Robert Self, Chief Engineer, Prudential Assurance Co., Holborn Bars, London, E.C.

1902. Inder, Clarence John, Messrs. Inder and Henderson, Jamaica Buildings, St. Michael's Alley, Cornhill, London, E.C. [*Inderdaad, London.* 9187 Central.]

1904. Ingate, George James Arthur, Labuan Coalfields Co., Labuan, British North Borneo.

1903. Ingle, Herbert Edward, Messrs. Samuel Williams and Sons, Dagenham Docks, Essex.

1898. Inglis, William Rowland Hugh, Brooklands, Eastcote, Pinner, S.O., Middlesex.

1903. Innes, Augustus Montague, Messrs. G. H. Innes and Co., Station Iron Works, Hitchin. [*Innes, Hitchin.*]

1897. Ironside, William Allan, India Development Co., Mozufferpore, Bengal, India.

1896. Issigonis, George Demos, The D. Issigonis Works, Smyrna, Turkey in Asia.

1900. Ito, Kumezo, Mitsu Bishi Dockyard and Engine Works, Nagasaki, Japan.

1902. Izod, Edwin Gilbert, Messrs. Willans and Robinson, Victoria Works, Rugby.

1904. Jack, James Haddow, Hadfield's Steel Foundry Co., East Hecla Works, Sheffield.

1899. Jackling, Daniel C., United States Smelting Co., Canon City, Colorado, United States.

1898. Jackson, Ernest, 188 Cornwall Road, South Tottenham, London, N.

1900. Jackson, Harold Drinkwater, Caxton Street, Anniesland, Glasgow. [*Telemeter, Glasgow.* 122 Hillhead.]

1898. Jackson, Robert Hiram, Messrs. Schäffer and Budenberg, Whitworth Street, London Road, Manchester; and 90 Elizabeth Street, Cheetham, Manchester.

1898. James, Henry Haughton Rhodes, 13 Victoria Street, Westminster, S.W.

1902. James-Carrington, Henry, Messrs. Belliss and Morcom, Ledsam Street, Birmingham; and 31 Reservoir Road, Edgbaston, Birmingham.

1902. Jameson, William Hope Masterton, Langham Lea, Bowdon, Altrincham.

1902. Jarvis, Richard, care of Baron L. Knoop, Maison de la Banque des Marchands, Rue Ilyinka, Moscow, Russia.

1902. Jayawardena, Theodore Godfreid Wijesinghe, Government Factory, Colombo, Ceylon.

1903. Jeff, William, Northfleet District Engineering Works, Northfleet, Kent.

1901. Jeffreys, Richard Rice Vesey, Beira and Mashonaland Railways, P.O. Box 422, Bulawayo, Rhodesia, South Africa.

1893. Jenkin, Charles James, Engineer and Surveyor, Urban District Council, Finchley, London, N.

1903. Jewson, Herbert, Works Manager, Messrs. Hobbies, Dereham.

1904. Johnson, Edward, Usina de Goyanna, Pernambuco, Brazil.

1901. Johnson, Frederic Adolph, Secretary, Gisholt Machine Co., Madison, Wisconsin, United States.

1902. Johnson, Frederick Augustus, Castleton Foundry and Engineering Works, Armley Road, Leeds.

1897. Johnson, George, Messrs. Johnson and Fletcher, P.O. Box 580, Bulawayo, Rhodesia, South Africa.

1903. Johnson, Henry Howard, Resident Engineer, Village Main Reef Gold Mining Co., P.O. Box 1091, Johannesburg, Transvaal, South Africa.

1903. Johnson, Hilton, 5 Bloomsbury Mansions, Hart Street, London, W.C.

1903. Johnson, John Henry, Messrs. Crompton and Co., Arc Works, Chelmsford.

1902. Johnson, Philip Henry, Kroonstad Club, Kroonstad, Orange River Colony South Africa.

1898. Johnson, Walter Wroe, Castleton Foundry and Engineering Works, Armley Road, Leeds.

1904. Johnston, George Washington Pirrie, Messrs. George Johnston and Co., 110 Cannon Street, London, E.C. [*Slapjack, London.* 8024 Bank.]

1902. Johnston, Leonard, Borough of Blackburn, Tramways Department, 9 Railway Road, Blackburn.

1903. Jolliffe, Christopher Hubert, Ellesmere, Ward Place, Colombo, Ceylon.

1890. Jones, Arthur Dansey, Locomotive Department, Lancashire and Yorkshire Railway, Horwich, Lancs.

1903. Jones, Charles, Chief Electrical Engineer, Metropolitan Railway, 32 Westbourne Terrace, Paddington, London, W.

1900. Jones, Frank Harding, 142 Palace Chambers, 9 Bridge Street, Westminster, S.W.

1902. Jones, Laurence Alban, Messrs. T. Bernard Hall and Jones, 119 Colmore Row, Birmingham. [*Tamar, Birmingham.*]

1901. Jones, Samuel Dawson, Messrs. Tangyes, Cornwall Works, Soho, near Birmingham.

1904. Jones, Samuel Derwen, Borough Electrical Engineer, Corporation Electricity Works, Batley.

1900. Jones, Stanley Hunter, Commercial Gas Works, Stepney, London, E.

1902. Jones, Thomas Morris, Cae-Derw, Lake Avenue, Sundridge Park, Bromley, Kent.

1901. Jones, William Edwin, 3 Rectory Gardens, Mitcham Road, Tooting, London, S.W.

1904. Jordan, Albert Edward, 6 High Road, Nungumbaukum, Madras, India.

1903. Josselyn, Edward, Messrs. A. Ransome and Co., Stanley Works, Newark.

1902. Jukes, Joseph William, Works Manager, Messrs. W. J. Jenkins and Co., Bee Hive Works, Retford.

1904. Kay, Brunel, care of George A. Kay, 349 Collins Street, Melbourne, Victoria.

1903. Kay, Ernest Edward, Messrs. William Douglas and Sons, Baltic Wharf, Putney, London, S.W.

1902. Keable, Alfred Henry, Bournemouth Gas and Water Works, Bournemouth.

1901. Keast, James Champion, Camborne Mining School, Camborne.

1899. Kempt, Alfred Rodney, R.N., 13 Downs Road, Clapton, London, N.E.

1901. Kenrick, Archibald, Jun., Caledon, Sandrock Road, Tunbridge Wells.

1902. Kenshole, Henry Harding, Chief Engineer, West Ham Borough Asylum, Goodmayes, Ilford.

1899. Kensington, John Charlton, Resident Engineer, San Salvador Railway and Works, Astillero, Provincia de Santander, Spain.

1902. Kentish, Hubert, Engineer's Office, London Dock, London, E.

1904. Kenyon, George Cecil, Engineer's Department, Mersey Docks and Harbour Board, Liverpool.

1898. Kerr, James B., Cremorne Motor Manufacturing Co., Lot's Road, Chelsea, London, S.W.

1904. Kerr, William Scott, 3 Piazza Ghar Illembi, Sliema, Malta.

1900. Kersey, Alfred Thomas John, 3 Ardcullen View, Magazine Road, Cork.

1899. Kershaw, Grindrod, Rochdale Municipal Technical School, Nelson Street, Rochdale.

1897. Ketley, Charles Bosworth, 128 Colmore Row, Birmingham. [*Invent, Birmingham.* 1132.]

1904. Keyte, George, Manager, Corporation Gas Works, Workington.

1904. Khalil, Lieut. Ibrahim, I.O.N., Engine Drawing Office, Imperial Naval Arsenal, Constantinople.

1903. Kidd, John William, Consolidated Engineering Co., Gotha Iron Works, Slough.

1902. Kilroy, Willie Dickson, Messrs. Evershed and Vignoles, Acton Lane Works, Chiswick, London, W.

1901. Kimber, Harry Watkins, Messrs. Dick, Kerr and Co., Abchurch Yard, Cannon Street, London, E.C.

1901. King, Ernest, Messrs. Mellowes and Co., Corporation Street, Sheffield.

1902. King, Henry James Hubert, Messrs. H. J. H. King and Co., Nailsworth, Stroud, Gloucestershire.

1893. Kirk, Percy Roebuck, Hackney Technical Institute, Cassland Road, London, N.E.

1902. Kirton, Walter, Government Inspector of Machinery, Barberton, Transvaal, South Africa.

1904. Kitchen, Jonathan, Messrs. T. Balmforth and Co., Luton.

1901. Kitchin, John William, Dock Engineer's Office, Cumberland Basin, Bristol.

1904. Kitchin, William Archibald, Westminster Electric Supply Co., Eccleston Place, Belgravia, London, S.W.

1902. Kitsell, Archibald Edward, Bridge Road Engineering Works, Bridge Road, Harlesden, London, N.W.

1901. Knight, Arthur Henry, Veile Cotton Spinnery, Veile, Denmark.

1903. Knocker, George Stodart, East View, Battery Green Road, Lowestoft.

1901. Knottesford-Fortescue, John Nicholas, The College, Lichfield.

1903. Knowles, George Stanley, 57 Victoria Road, Tientsin, China.

1903. Koetter, Arnold, 12 Madeley Street, Derby.

1901. Kortright, Percy Forbes, care of Miss Evans, 31 Claud Road, Roath, Cardiff.

1901. Kremnitz, Harry, Prudential Buildings, Park Row, Leeds.

1897. Lacy-Hulbert, Charles Edward, 25 Victoria Street, Westminster, S.W.

1904. Lake, Henry Barker, The Orchards, Attenborough, Notts.

1903. Lakin-Smith, Clifford, Resident Engineer, Dorking Electricity Supply, 2 Howard Road, Dorking.

1903. Lamb, Sidney Ernest, Technical Institute, Portsmouth.

1903. Lambert, John Henry, Locomotive Department, South Indian Railway, Negapatam, India.

1902. Lampard, Percy, Public Works Department, Simla Provincial Division, Viceregal Lodge, Simla, India.

1903. Lancaster, John Hayes, Officiating Mechanical Engineer, Municipal Offices, Rangoon, British Burma, India.

1904. Lane, Norman Augustus, 1 County Chambers, Corporation Street, Birmingham.

1904. Langdon, Harold Arthur William, Locomotive Superintendent, Bolivar Railway; care of Messrs. Boulton and Co., Puerto Cabello, Aroa, Venezuela.

1904. Langley, George, 49 Bromham Road, Bedford.

1901. Larkin, Frederick Stanley, Gas Light and Coke Works, Beckton, London, E.

1897. Larmuth, John Hamilton, Messrs. Thomas Larmuth and Co., Todleben Iron Works, Unwin Street, Cross Lane, Salford, Manchester; and 200 Barton Lane, Eccles, Manchester.

1898. Larmuth, William Oliver, Messrs. Thomas Larmuth and Co., Todleben Iron Works, Unwin Street, Cross Lane, Salford, Manchester; and Westleigh, Devonshire Road, Bentcliffe, Pendleton, Manchester.

1902. Lawson, William, Messrs. Richardsons, Westgarth and Co., Middlesbrough; and 69 Kensington Road, Middlesbrough.

1893. Lea, Arthur Henry, Messrs. Lea and Warren, Kettering.

1901. Lea, Frederick Mackenzie, 38 Bennett's Hill, Birmingham. [*Engineer, Birmingham.* 113.]

1902. Leach, Robert William, Messrs. Foster Brothers, Lea Brook Tube Works, Wednesbury.

1903. Lean, Clement, 99 Jerningham Road, New Cross, London, S.E.

1904. Leber, John Henry, Northampton Works, 157 Goswell Road, London, E.C. [*Ionidum, London.* 3964 Central.]

1903. Le Clair, Louis Jean, Engineer's Department, Messrs. A. Guinness, Son and Co., St. James' Gate Brewery, Dublin.

1901. Leeds, Edward Lambert, Brown Hoisting Machinery Co., 39 Victoria Street, Westminster, S.W.

1903. Lenox, George Duncan, Messrs. Brown, Lenox and Co., Newbridge Works, Pontypridd.

1898. Leonard, Peter, The Cottage, Crosby, Liverpool.

1901. Lester, John Milner, Messrs. Joseph Baker and Sons, Willesden Junction, London, N.W.; and 3 Hindes Road, Harrow.

1902. Lewenz, Henry Ivan, London Electric Supply Corporation, Stowage Wharf, Deptford, London, S.E.

1902. Lewis, Fredrick William, British Thomson-Houston Co., Rugby.

1904. Lewis, William Yorath, Messrs. S. Pearson and Son, Tunnel Works, Long Island City, New York, United States.

1903. Lewis-Dale, Henry Angley, 6 Cambridge Terrace, Chatham.

1902. Liddell, Guy, Assistant Engineer, Madras Harbour Trust, Madras, India.

1903. Limozin, Ferdinand Louis Joseph, Hill House, Rayne Road, Braintree.

1904. Lindsay, Henry, Messrs. Croft and Perkins, Great Northern Works, Leeds Road, Bradford.

1901. Lindsay, The Hon. Walter, 2 Cavendish Square, London, W.
1902. Lindsey-Badcock, William, Chief Engineer's Office, Great Western Railway, Paddington, London, W.
1902. Linscott, Arthur Burrow, Engineering Department, South African College, Cape Town, Cape Colony.
1904. Lishman, John James, 16 Lovaine Place, North Shields.
1903. Lister, Arthur James, National British and Irish Millers' Fire Insurance Co., 4 York Street, Manchester.
1900. Locket, Athol, Jokai Tea Co., Panitola, Dibrugarh, Assam, India.
1903. London, William James Albert, The British Westinghouse Electric and Manufacturing Co., Westinghouse Works, Trafford Park, Manchester.
1895. Longbottom, John Gordon, Glasgow and West of Scotland Technical College, 38 Bath Street, Glasgow.
1903. Longland, Walter, Northampton Institute, Clerkenwell, London, E.C.
1900. Longley, Henry Banks, Engineer, Moss Side Urban District Council, Moss Side, Manchester.
1902. Longley, Reginald, Messrs. Octavius H. Smith and Co., 111 Grosvenor Road, London, S.W.
1902. Lorimer, Alexander Smith, Messrs. Dübs and Co., Glasgow Locomotive Works, Glasgow.
1902. Loscher, Albert Paul, 627 South Negley Avenue, Pittsburg, Pa., United States.
1901. Loughborough, Charles, City Engineer's Office, Westminster City Hall, Charing Cross Road, London, W.C.
1898. Love, Robert Templeton, Royal Bank House, Stewarton, R.S.O., Ayrshire.
1896. Lovell, Samuel George, Stickney, Boston.
1903. Loveridge, Arthur Walter, Swindon and North Wilts Technical School, Swindon.
1903. Lucas, Ralph, 191A Westcombe Hill, Blackheath, London, S.E.
1904. Luke, Richard Montague, 15 Princess Square, Plymouth.
1898. Lund, John, Messrs. Ashwell and Nesbit, 12 Great James Street, Bedford Row, London, W.C.
1902. Lupton, Norman Darnton, Messrs. Joshua Buckton and Co., Well House Foundry, Meadow Road, Leeds.
1901. Lyddon, George Edward, 8 Belgrave Road, Ilford.
1902. Lyon, Arthur Anderson, Messrs. Lacy-Hulbert and Co., Boreas Works, Beddington, Surrey.
1904. Lyons, Robert Ernest Brabazon, Fabrica Colon, Entre Rios, Argentine Republic.

1904. Macaulay, John, Municipal Offices, Liverpool.
1901. MacCurrach, Douglas Cochrane, The Briars, Saltburn-by-the-Sea.

1901. Mackail, John Henderson, Municipal Electrical Engineer, Singapore, Straits Settlements.

1903. Mackay, Harry John Sutherland, The Stirling Co., 53 Deansgate Arcade, Manchester.

1904. Mackenzie, Alfred Douglas, Motor Transport Co., 26 Bedford Hotel Chambers, Covent Garden, London, W.C. [*Mackenzie, Omnicircle, London.* 333 Central.]

1903. Mackenzie, Thomas Alexander, 16 Billiter Buildings, London, E.C.

1904. Mackessack, Harry, Sir W. G. Armstrong, Whitworth and Co., Elswick Engine Works Drawing Office, Newcastle-on-Tyne.

1903. Maclennan, Hope Vere, Chief Mechanical Engineer, Kimberley Water Works, Kimberley, South Africa.

1903. Macleod - Carey, Arthur William Joseph, 2 Woodlands Terrace, Middlesbrough. [*Selector, Middlesbrough.*]

1902. Macnab, Thomas Pollock, Messrs. Pollock and Macnab, Britannia Machine Tool Works, Bredbury, Manchester. [*Macnab, Woodley.* 289 Stockport.]

1901. Main, George Peet, Parade, Leamington.

1903. Maitland, Dascon James, 69 Church Street, Gainsborough.

1905. Malcolm, George William, Chief Engineer, Les Forges et Fonderies de Maurice, Port Louis, Mauritius.

1901. Mannock, James Jackson, General Manager, Falcon Iron Works, Oldham. [*Falcon, Oldham.* 352.]

1896. Mansfield, Alfred, Messrs. Edwin Mansfield and Sons, 20 Redcross Street, Liverpool.

1904. Mansfield, Frank, Messrs. Mansfield and Sons, 19 Sharia El Maghraby, Cairo, Egypt.

1899. Mansfield, James Francis, Central London Railway, Shepherd's Bush Depôt, London, W.

1897. Mansfield, Walter, Messrs. Mansfield and Sons, Royapuram, Madras, India. [*Mansfield, Madras.*]

1904. Manuel, Constantine, 116 Chancery Lane, London, W.C. [*Ionic, London.* 5073 Holborn.]

1901. March, Sydney Herbert, Messrs. Charles Churchill and Co., 2 Charlotte Street, Mosley Street, Manchester.

1903. Margetson, Alfred James, Merchant Venturers' Technical College, Bristol.

1902. Maria, Horacio Santa, Administracion del Gas, Rosario de Santa Fé, Argentine Republic.

1892. Marks, Alfred Pally, 55 Gillott Road, Birmingham.

1900. Marks, Gordon Cumming, Manager, Messrs. Aveling and Porter, Rochester; and 263 Maidstone Road, Rochester.

1903. Marples, Stephen Arnold, Staple Inn Buildings, Holborn Bars, London, W.C.

1902. Marrian, Arthur Edward, Works Department, H.M. Royal Marine Depôt, Deal.

1902. Marsden, Alfred, Works Manager, Carl Oppermann Electric Carriage Co., 7 Underhill Street, Arlington Road, Camden Town, London, N.W.

1903. Marsden, Fred, Town Hall, Bradford.

1904. Marsden, Walter, Campbell Gas Engine Co., Kingston, Halifax.

1903. Marsh, Charles Fleming, Resident Engineer, East London Water Works, Clapton, London, N.E.

1899. Marshall, Launcelot Paul, Northern Outfall Works, Beckton, North Woolwich, London, E.

1904. Marshall, Reginald, Consolidated Petroleum Co., Rood Lane, London, E.C.

1900. Marshall, Thomas, 105 Darlaston Road, Pleck, Walsall.

1888. Marten, Hubert Bindon, 54 Nightingale Road, Southsea, Portsmouth.

1899. Martin, John, 27 Cleveland Gardens, Lancaster Gate, London, W.

1904. Martin, Percy, Works Manager, Daimler Motor Co., Coventry.

1904. Marty, Ernesto, Calle Lorea 2051, Buenos Aires, Argentine Republic.

1901. Martyn, Sarsfield William, 145 Norfolk Street, Sheffield.

1902. Mascall, Arthur Edward, 8 Little Heath Villas, Old Charlton, Kent.

1902. Mason, John Farrer, 136A Woodhouse Lane, Leeds.

1901. Mason, John William Victor, Messrs. W. F. Mason, Alma Works, Levenshulme, Manchester. [*Gasify, Levenshulme.* 39 Heaton Moor.]

1904. Mason, William, Engineering Laboratory, King's College, Strand, London, W.C.

1900. Massey, Edward, Dallam Forge, Warrington.

1900. Mate, Walter Edwin, Napley, Victoria Street, St. Kilda, Victoria.

1902. Matsubara, Takashi, Mitsui Mining Co., 1 Surugachio, Nihonbashi Ku, Tokyo, Japan.

1904. Matthews, William Edward, Bridge End Foundry, Cardigan.

1899. Maw, Henry, 17 Victoria Street, Westminster, S.W.; and 55 Margravine Gardens, West Kensington, London, S.W.

1904. Maw, Robert Lewis, 35–36 Bedford Street, Strand, London, W.C.

1905. May, Horace Nunn, care of Mr. Blood, Huddersfield Road, Ravensthorpe, Dewsbury.

1902. Mayes, Howard, 23 Dorset Square, Regent's Park, London, N.W.

1902. Mayo, Charles Robert, Argentine Great Western Railway, River Plate House, Finsbury Circus, London, E.C.

1899. McAll, Henry Wardlaw, Post Office, Montreal, Canada.

1899. McBean, John, P.O. Box 1146, Johannesburg, Transvaal, South Africa.

1902. McCaffery, James, Westminster Electric Supply Co., Eccleston Place, Belgravia, London, S.W.

1904. McCallum, Edward Alfred, Baku Russian Petroleum Co., Baku, Russia.

1904. McClelland, John James, 263 Victoria Park Road, South Hackney, London, N.E.

1904. McClure, John Rayner, 4541 Marmion Way, Los Angeles, California, United States.

1904. McDermott, Hugh, Messrs. Rendel and Robertson, 8 Great George Street, Westminster, S.W.; and 8 Thurleigh Road, Wandsworth Common, London, S.W.

1903. McDonald, William, Engineering Department, Chicago Edison Co., 139 Adams Street, Chicago, Ill., United States.

1902. McDougall, Hugh, Works Manager, Messrs. I. C. Johnson and Co., Gateshead.

1899. McFerran, Howard A., H.M. Office of Works, Storey's Gate, Westminster, S.W.; and 40 Handen Road, Lee, London, S.E.

1894. McGeorge, James, Bombay Burmah Trading Corporation, Rangoon, British Burmah, India.

1902. McGhee, Alexander, 48 St. Albans Road, Redland, Bristol.

1904. McGown, Rogers, 8 Charles Street, Livesey Street, Manchester. [2575.]

1903. McGregor, James, Fair View, Melrose.

1898. McGregor, John, Messrs. Murray and Paterson, Coatbank Engine Works, Coatbridge.

1904. McGregor, Walter, General Manager, Central Baths, West Protection Wall, Dundee.

1904. McJerrow, Thomas, Wassau Mining Co., Adjah Bippo, Tarkwa, viâ Sekondi, Gold Coast Colony.

1901. McKerlie, James, 35 Brenthurst Road, Willesden, London, N.W.

1903. McLaren, William David, Thomason Civil Engineering College, Roorkee, North Western Provinces, India.

1904. McLean, Alexander Malker, Ocean Accident and Guarantee Corporation, 9 Albert Square, Manchester; and 6 Worcester Avenue, Clubmoor, Liverpool.

1902. McMahon, John Joseph, Corporation Tramways, 55 Piccadilly, Manchester.

1891. McMeekin, Adam, Cogry Flax Spinning Mills, Doagh, R.S.O., Co. Antrim, Ireland.

1902. McMillan, John, Resident Electrical Engineer, Burgh Chambers, Falkirk.

1903. Medley, Charles Powis, Carfax, Surbiton Hill, Surrey.

1900. Meek, George Thomas, Electric Lighting Works, Townmead Road, Fulham, London, S.W.

1904. Meenan, Geoffrey Brennan, 198 Great Brunswick Street, Dublin.

1902. Mensforth, Holberry, 80 Cyprus Street, Stretford, Manchester.

1902. Meyrick-Jones, Leonard Meyrick, Stanley House, King's Stanley, Stonehouse, Glos.

1899. Middleton, Harry Herbert, Construction Office, New Kleinfontein Co., Benoni, Transvaal, South Africa.

1904. Middleton, Peter Charles, 29 Princess Road, South Norwood, London, S.E.

1903. Miller, John, Engineer's Department, Messrs. A. Guinness, Son and Co., St. James' Gate Brewery, Dublin.

1903. Miller, William Thomas Ward, 30 Beech Hill Road, Sheffield.

1894. Mills, Arthur Edwin, 3 Mountstuart Square, Cardiff.

1903. Mills, Lieut. James Jesse, A.O.D., Inspector of Ordnance Machinery, Manora, Karachi, India.

1899. Mills, Joseph Amos, Salisbury and Jubilee Gold Mining Co., P.O. Box 1122, Johannesburg, Transvaal, South Africa.

1897. Mills, Samuel James Augustus, 51 Sudell Road, Darwen.

1904. Mitchell, George Robert, Chief Engineer, Metropolitan Police (Thames Division), Metropolitan Police Station, High Street, Wapping, London, E.

1902. Mitchell, James, Engineer's Office, Tees Conservancy Commissioners, Middlesbrough.

1902. Mitchell, John, 8 Great George Street, Westminster, S.W.

1896. Mitton, Thomas Evans, Messrs. Hunt and Mitton, Crown Brass Works, Oozells Street North, Birmingham. [*Mitton, Birmingham.* 394.]

1903. Moffet, James Scott Duncan, General Manager, Rochdale Corporation Tramways, Mellor Street, Rochdale.

1891. Mogg, Henry Hodges, Newbridge Hill, near Bath.

1904. Molyneux, James, 26 Brunswick Street, Swansea.

1894. Monckton, Charles John, Phoolultah Tea Estate, Sagurnal Post Office, Sylhet, Assam, India.

1896. Moncrieff, Robert Wighton, Briar Hill House, near Northampton.

1903. Monkhouse, Frank Lionel, 42 Paradise Street, Liverpool.

1903. Monro, Captain John Duncan, R.E., Coombe Wood, Kingston-on-Thames.

1903. Montague, Graham, Messrs. Sisson and Co., Quay Street Iron Works, Gloucester.

1902. Montgomery, Charles Hubert, Carriage and Wagon Department, Lancashire and Yorkshire Railway, Victoria Station, Manchester.

1903. Moon, James George, General Manager, Messrs. James Watt and Co., Soho Foundry, Birmingham.

1900. Moore, George Edward, General Manager, Glasgow Electric Crane and Hoist Co., Parkhead, Glasgow.

1903. Moore, James Foster, Corporation of Sunderland, Electric Supply Station, Dunning Street, Sunderland.

1903. Moore, Noel Stephen, Bradshaw Colliery and Gannister Works, Penistone, Sheffield.

1902. Moore, Thomas Reade, 29 West Parade, Huddersfield.

1904. Moraes, Henry Francis, Caledonia Estate, Province Wellesley, Penang, Straits Settlements.

1903. Morgan, Douglas Howard, Felsted, Essex.

1903. Morgan, Edward George, Messrs. Kennan and Sons, 19 Fishamble Street, Dublin.

1903. Morgan, Frederick John, Messrs. Morgan and Davies, 35 and 36 Wind Street, Swansea. [*Advance, Swansea.* 570.]

1901. Morris, Robert Edmund, New River Water Works, Finsbury Park, London, N.

1904. Morris, Robert Henry, Messrs. Burn and Co., Howrah Iron Works, Howrah, Bengal, India.

1898. Morris, William Joseph, Sheepbridge Iron Works, Chesterfield.

1900. Morton, John Henry, 2 Durocher Street, Montreal, Canada.

1902. Mowat, Magnus, Jun., Engineer, Millwall Docks, London, E.

1902. Mowbray, Archibald Holme, Managing Director, Messrs. Smith and McLean, Mavisbank, Glasgow. [*Mavisbank, Glasgow.*] 1507.]

1902. Mowbray, Frank Herbert, care of Messrs. Mowbray Brothers, 17 and 18 Railway Approach, London, S.E.

1902. Muggeridge, Harold Chisman, care of Messrs. King, Hamilton and Co., 7 Hare Street, Calcutta, India.

1899. Muirhead, David, Kirkintilloch, Glasgow.

1898. Munyard, Alfred, 43 McLelland Drive, Kilmarnock.

1904. Munyard, Alfred Walford, Eastcombe Terrace, Blackheath, London, S.E.

1904. Murdoch, Alexander Gemmell, Messrs. Richard Moreland and Son, 80 Goswell Road, London, E.C.

1902. Murphy, William, Messrs. F. Reddaway and Co., Pendleton, Manchester.

1901. Murray, Peter Butchart, Messrs. James Carmichael and Co., Ward Foundry, Dundee.

1904. Napier, Frederick Disney, Willesden District Council, Taylor's Lane Electricity Works, Willesden, London, N.W.

1900. Naylor, Joe, 14 Woodside Place, Halifax.

1901. Naylor, John Alfred, Messrs. Rosser and Russell, 22 Charing Cross, London, S.W. [*Lesorus, London.* Gerrard 5210.]

1903. Naylor, John Hardcastle, Royal Military Academy, Woolwich.

1903. Neachell, Edward John, Liverpool Overhead Railway Co., 31 James Street, Liverpool.

1902. Neal, Henry Andrews, St. Pancras Ironwork Co., Belle Isle, York Road, London, N.

1899. Neal, Robert Henry Bennett, Managing Director, Messrs. Neal Ltd., Bank Chambers, Princess Square, Plymouth. [*Output, Plymouth.* 594.]

1900. Neilson, Robert Morrison, Messrs. Marks and Clerk, 30 Cross Street, Manchester.

1902. Nelson, Robert, Walker and Wallsend Union Gas Co., Neptune Bank, Wallsend-on-Tyne; and Western Villa, Wallsend-on-Tyne.

1904. Nelson-Barrett, John Mathew, Superintendent Engineer, The Hindoo Cotton Ginning and Press Co., Delhi Mills Post Office, Delhi, India.

1904. Nesbitt, Edward Arthur, Messrs. Nesbitt and Cunliffe, 60 Chancery Lane, London, W.C.

1899. Nettlefold, Godfrey, Messrs. Guest, Keen and Nettlefolds, 16 Broad Street, Birmingham. [*Nettlefolds, Birmingham.* 2086.]

1902. Newman, William Henry, Totteridge Park, Herts.

1901. Newton, Henry Edward, 18 Lewisham High Road, London, S.E.

1904. Newton, Percy, The Electric Construction Co., Bushbury, Wolverhampton.

1904. Newton, Rupert, Hadfield's Steel Foundry Co., East Hecla Works, Sheffield; and Ivy Cottage, Hallowes Lane, Dronfield, Sheffield.

1903. Nicholas, David Curtis, 33 Avondale Street, Monks Road, Lincoln.

1896. Nicholls, Percy, Westinghouse Electric and Manufacturing Co., East Pittsburg, Pa., United States.

1901. Nichols, Henry Francis, Manager, Messrs. James Hill and Sons, 16 and 18 Currie Street, Adelaide, South Australia.

1904. Nichols, Henry John, Messrs. Cloud and Nichols, Strand-on-the-Green, Chiswick, London, W.

1902. Nicholson, Robert Jaffray, 26 Cannon Street, Manchester. [*Reference, Manchester.* Central 5432.]

1902. Nixon, Charles Basil, Walton Firs, Shrewsbury Road North, Birkenhead.

1903. Norman, George Frederick Alexander, 55 Agnes Road, Berea, Durban, Natal.

1894. North, Horace, St. George's Engineering Works, Trafalgar Street, Brighton.

1897. Norton, Arthur, 12 Stanmore Road, Edgbaston, Birmingham.

1904. Norton, James Henry, Superintendent, New River Co.'s Testing Office, Rosoman Street, Clerkenwell, London, E.C.

1899. Norton, Samuel Joseph, 22 Bushnell Road, Balham, London, S.W.

1900. Ockenden, Maurice Albion, Jun., Messrs. Duke and Ockenden, 126 Southwark Street, London, S.E.

1902. O'Connell, John George, Messrs. Casebourne and Co., Pioneer Cement Works, Haverton Hill, Middlesbrough; and Wellington Hotel, Haverton Hill, Middlesbrough.

1903. O'Gorman, Mervyn, 82 Victoria Street, Westminster, S.W. [*Cosmogony, London.* 734 Westminster.]

1904. Oliver, Arthur Richard, 1 Belgrave Gardens, Altmore Avenue, East Ham, London, E.

1900. O'Reilly, Francis Joseph, Lulworth, Kings Road, Horsham.

1902. Orr, John, Professor of Engineering, South African School of Mines, Kimberley, South Africa.

1902. Orr, Thomas Reginald James, Electric Supply Station, Water Street, Birmingham.

1901. Osborn, John Lee, 1 Queen Anne Buildings, 38 Baldwin Street, Bristol.

1899. Osburn, George Victor, Messrs. Topham, Jones and Railton, Plant Depôt, Dunballs Road, Cardiff.

1899. Oswald, George Herbert, Briscoe House, Bathford, Bath.

1901. Oughterson, George Henry, Ordnance Department, Messrs. Vickers, Sons and Maxim, Naval Construction Works, Barrow-in-Furness; and 40 Blessington Road, Lewisham, London, S.E.

1902. Owston, William Henry, Messrs. James Simpson and Co., Newark.

1901. Page, Hugh Algernon, Newlyn, Lynmouth Road, Fortis Green, East Finchley, London, N.

1901. Page, James Handford, 16 Seaton Buildings, 17 Water Street, Liverpool. [*Inspecting, Liverpool.* Central 6204.]

1903. Page, William Christopher, 24 Ashmead Road, St. John's, London, S.E.

1901. Palmer, Alfred, Union Engineering Works, Union Lane, Sheffield.

1900. Palmer, Benedict Joseph, Chief Engineer, Civil Service Supply Association, 136 Queen Victoria Street, London, E.C.

1900. Palmer, Henry Boswell, Jun., P.O. Box 974, Johannesburg, Transvaal, South Africa: (or 13 Chapter Road, Willesden Green, London, N.W.)

1902. Palmer, William Duke, Baltic Chambers, 50 Wellington Street, Glasgow.

1902. Papworth, John Wyatt, Westminster Electric Supply Co., Eccleston Place, Belgravia, London, S.W.; and 115 St. Mary's Mansions, Paddington, London, W.

1904. Paris, Henry Adolf, Mechanical Engineer's Department, London County Council, Spring Gardens, London, S.W.

1900. Parker, Frederic George William, 28 Victoria Street, Westminster, S.W.

1902. Parker, Frederick Thomas, St. John del Rey Mines, Morro Velho, Minas Geraes, Brazil.

1896. Parker, John, Messrs. E. Green and Son, 2 Exchange Street, Manchester.

1904. Parkin, Thomas, Messrs. T. A. Ashton, Sydney Street, Sheffield.

1902. Parkinson, Charles Frederick, Resident Engineer, Paisley Corporation, Electricity Works, Blackhall, Paisley.

1900. Parkinson, Ernest, Canal Iron Works, Shipley, Yorks. [*Temples, Shipley*, 4080.]

1901. Parks, Walter Algernon, 25 and 26 Lime Street, London, E.C. [*Verissima, London.* 2508 Avenue.]

1901. Parr, George Dudley Aspinall, The University, Leeds.

1901. Parsonage, William Rawlett, Municipal Technical School, Suffolk Street, Birmingham.

1898. Parsons, Harry, Brunswick House, Brunswick Place, Southampton.

1904. Parsons, Thomas George, Manager, New Rossleigh Cycle and Motor Co., Dundee.

1903. Pasquier, Arthur Edmund du, British Westinghouse Co., Phœnix Buildings, Mount Stuart Square, Cardiff.

1901. Patchett, Joseph Henry, Messrs. S. Pearson and Son, Dockyard, Malta.

1896. Patel, Motibhai Bhikhabhai, Bhadran, near Borsad, India.

1896. Patel, Raojibhai Motibhai, Principal, Kala-Bhavan, Baroda, India.

1903. Paterson, Sydney, Manager, Messrs. Johnson and Phillips, Old Charlton, Kent. [*Cables, Old-Charlton.* 46 Woolwich.]

1902. Paterson, William, Works Manager, Messrs. William Watson and Co., Alexandria, Egypt.

1902. Patey, Arthur Pettman, Resident Engineer, Houses of Parliament, Westminster, S.W.

1902. Payne, Frank Gervas, Municipal Electricity Works, Shanghai, China.

1903. Pearson, Harry, Managing Director, Stockport Engineering Co., Stockport; and Edensor, Turncroft Lane, Stockport. [*Stockport, Engineering, Stockport.* 302.]

1904. Pearson, Thomas William, Locomotive Superintendent and Works Manager, Alexandra (Newport and South Wales) Docks and Railway, Newport, Mon.

1901. Peckett, Arthur, Hyde Lodge, Durdham Down, Bristol.

1896. Pendred, Loughnan St. Lawrence, 33 Norfolk Street, Strand, London, W.C.

1901. Percy, Frank, Mining College, Wigan.

1901. Peregrine, William Henry, Rochdale Technical School, Rochdale; and Manchester Road, Bury, Lancashire.

1904. Perkins, Albert William, Messrs. Alfred Herbert, 24-26 Holborn, London, E.C.

1901. Perkins, William John, 17 Victoria Street, Westminster, S.W.

1902. Perry, Herbert Duncan Smith, 122 Cannon Street, London, E.C.

1893. Pertwee, Herbert Arthur, Nelson Iron Works, Great Yarmouth. [*Pertwee, Great Yarmouth.* 0178.]

1894. Peters, Lindsley Byron, Messrs. G. D. Peters and Co., Moorgate Works, Moorfields, London, E.C. [*Peters, London.*]

1899. Petter, Percival Waddams, Works Manager, Messrs. James B. Petter and Sons, Nautilus Works, Yeovil. [*Petter, Yeovil.*]

1902. Pettit, Arthur Edward, Oatlands Park, Weybridge.

1902. Phelps, George Ingram de Brissac, Temple Courts, Temple Row, Birmingham.

1898. Phillipps, John, Cornubia House, Carlton Road, Nottingham.

1897. Phillips, Edwin Grant, Messrs. Jackson and Phillips, Conde de Aranda 1, bajo, Madrid, Spain.

1904. Phillips, Walter Henry, Messrs. Barclay, Perkins and Co., The Brewery, Southwark, London, S.E.

1899. Phillott, George Henry, 13 Promenade, Cheltenham.

1902. Philpot, Harold Percy, Engineering Laboratory, University College, Gower Street, London, W.C.

1903. Pickering, William Sellers, Messrs. Willey and Co., Exeter.

1902. Piesse, Frederick Thomas Roper, Messrs. F. and C. Piesse, Katanning, Western Australia.

1899. Pigott, Arthur, Babcock and Wilcox Co., 14 Deansgate, Manchester.

1901. Pinkney, Thomas Samuel, 6 Farcroft Avenue, Handsworth, Birmingham.

1902. Pittar, Albert Vyvyan, P.O. Box 5627, Johannesburg, Transvaal, South Africa.

1903. Plaister, William Edward, Messrs. Lloyd and Plaister, Motor Works, Station Road, Wood Green, London, N.

1900. Plant, David Thomas, Superintending Engineer's Office, H.M. Naval Establishment, Rosyth, Inverkeithing, Fifeshire.

1897. Player, Ralph, Messrs. Joseph Wright and Co., 124 Victoria Street, Westminster, S.W.

1903. Pocock, James Herbert, Messrs. Willans and Robinson, 54 Gordon Street, Glasgow. [*Throttle, Glasgow.* 4151.]

1904. Podesta, John James, Patent Axlebox and Foundry Co., Wednesfield Foundry, Wolverhampton.

1901. Pointon, John Edward, Messrs. Lewis and Pointon's Panification, Wellington, Salop.

1896. Pollard, Ferdinand Joseph, P.O. Box 2485, Johannesburg, Transvaal, South Africa.

1904. Pontifex, Beaumont, Messrs. G. N. Haden and Sons, St. George's Works, Trowbridge.

1902. Poole, Richard, 92 Victoria Street, Westminster, S.W.

1904. Porter, Edwin Charles Gilbert, Pulsometer Engineering Co., Oxford Road, Reading; and Rippledene, Western Elms Avenue, Reading.

1903. Porter, Eustace William, Works Department, Devonport Dockyard, Devonport.

1905. Porter, Ralph Classon, University Power Station, Edgbaston, Birmingham.

1897. Porter, Stanley William, 32 Queen Victoria Street, London, E.C.

1904. Potter, George Ormsby, Locomotive Carriage and Wagon Superintendent, Demerara Railway, Georgetown, Demerara, British Guiana.

1903. Pover, George Alfred Franklin, Consolidated Engineering Co., Gotha Iron Works, Slough; and 53 Huncroft Street, Slough.

1895. Powell, Benjamin Newton, Manager, Lidgerwood Manufacturing Co., Soerabaya, Java: (or care of C. T. Powell, Cherry Street, Birmingham.)

1903. Powell, Charles Skryne, British Westinghouse Electric and Manufacturing Co., 2 Norfolk Street, Strand, London, W.C.

1900. Powell, David Thomas, care of Dr. Alexander B. W. Kennedy, 17 Victoria Street, Westminster, S.W.

1899. Powell, Ernest Brecon, Messrs. Whitehead and Co., Portland Harbour Torpedo Works, Weymouth.

1903. Pownall, John Edmund, Borough of Hampstead Electricity Department, Lithos Road, Finchley Road, London, N.W.

1904. Pownall, Joseph Harold, Electric Power Station, Pelham Road, Cleethorpes, Grimsby.

1899. Powrie, William Lyall, Messrs. Furnival and Co., 32 St. Bride Street, London, E.C.

1898. Prance, Cyril Rooke, E Division, South African Constabulary, Bloemfontein, Orange River Colony, South Africa.

1903. Preston, Frederick Kennerley, Messrs. Malcomess and Co., East London, Cape Colony.

1901. Prestwich, John Alfred, 1 Lansdowne Road, Tottenham, London, N.

1902. Price, Albert Edward, Messrs. George Price, Cleveland Works, Wolverhampton. [*Safes, Wolverhampton.* 225.]

1900. Price, Rowland, Wellington Cordite Factory, Aruvankad, Nilgiris, India.

1899. Price, William Frederick, Callender's Cable and Construction Co., Fairclough Lane, Liverpool.

1904. Prideaux, Francis Grevile, Engineer's Office, Great Southern and Western Railway, Inchicore, Dublin.

1904. Pritchard, Leonard Hanmer, Linden, New Malden, S.O., Surrey.

1901. Pritchard, Roger Cromwell, Messrs. Callender's Cable and Construction Co., Belvedere, S.O., Kent; and 55 Highbury New Park, London, N.

1902. Pritchard, William Elias, Chief Electrical Engineer, Electricity Works, Port Dinorwic, R.S.O., Carnarvonshire.

1899. Prockter, Frederick Malcolm, 111 Duke Street, Southport.

1900. Prockter, George Harold, R.N.R., Cunard Steamship Co., Derby Road, Liverpool; and The Grange, Duke Street, Southport.

1903. Procter, Charles Gilbert, Messrs. Thomas Potter and Sons, 44 South Molton Street, London, W.

1903. Prosser, Robert Walter Ostell, 108 South Hill Park, Hampstead, London, N.W.

1903. Prüsmann, Carl Adolf Louis, Borough Electrical Engineer, Strand, Swansea.

1901. Pryor, Henry Allen, Messrs. Mewburn, Ellis and Pryor, 70 and 72 Chancery Lane, London, W.C. [*Patent, London.* Holborn 243.]

1899. Pugh, John Vernon, Guiting House, Allesley, Coventry.

1902. Pulvertaft, Robert George, Messrs. R. Pulvertaft and Sons, 119 and 120 George's Street, Cork. [384.]

1904. Purse, Frederick Walter, Electricity Department, Howley, Warrington.

1900. Purves, William Thompson, 47 York Place, Edinburgh. [1259.]

1901. Pye, Joseph Harger, Manager, Gas Works, Clevedon.

1904. Quine, Frederic Carlyle, 36 Lime Street, Fenchurch Street, London, E.C.

1902. Radcliffe, Arthur Edward, Engineer, Horbury Urban District Council, Council Offices, Horbury, near Wakefield.

1903. Rainer, Edward Allan, Messrs. E. R. and F. Turner, St. Peter's Iron Works, Ipswich.

1901. Rainforth, William Frederick, Lanchester Engine Co., Armourer Mills, Montgomery Street, Birmingham.

1902. Ramsay, Andrew Cassels, Works Manager, Soap and Oil Works, Kafr-el-Zayat, Egypt.

1902. Rankin, Ernest Alfred, Somerville, Bourton, Dorset.

1899. Rapson, Josiah Trevor, Wolseley Tool and Motor Car Co., Crayford Works, Crayford, S.O., Kent.

1901. Rasey, Alfred Ernest, City and South London Railway Extension, 7 Denman Street, London, S.E.; and Brooklyn, Brondesbury Villas, Kilburn, London, N.W.

1896. Rayner, Harry Stafford, Sir W. G. Armstrong, Whitworth and Co., Ashton Road, Openshaw, Manchester.

1902. Read, Charles Macartney, Managing Engineer, Cape Peninsula Lighting Co., Central Power Station, Claremont, Cape Colony.

1899. Read, George Henry, National Cash Register Co., 225–6 Tottenham Court Road, London, W.

1904. Reay, Edward, Baku Russian Petroleum Co., Baku, Russia.

1899. Redding, Walter, Ingfield, Jackson Avenue, Gledhow, Leeds.

1892. Redfern, Charles George, 4 South Street, Finsbury, London, E.C. [*Invention, London.* Avenue 691.]

1903. Redman, Sydney George, 15 Osborne Terrace, Gosforth, Newcastle-on-Tyne.

1904. Reeve, Robert John Robey, Morgan Crucible Co., Battersea Works, London, S.W.

1903. Reeve, Walter, Engineering Department, Municipal Technical Institute, Romford Road, West Ham, London, E.

1905. Reid, John Alexander, Chief Engineer, Cannon Brewery Co., St. John Street, Clerkenwell, London, E.C.

1902. Reid, John Wilson, Napier House, Bridge of Allan.

1904. Remington, Alfred Arnold, Wolseley Tool and Motor Car Co., Adderley Park, Birmingham.

1902. Rennie, John Assheton, Messrs. G. Rennie and Co., Greenwich Iron Shipbuilding Yard, Thames Street, Greenwich, London, S.E.

1903. Renwick, Robert, Surveyor and Water Engineer, Horsham Urban District Council, Horsham.

1903. Rew, Reginald John, Works Manager, Messrs. Willey and Co., Exeter.

1903. Rexworthy, Harold Sibree, East Ferry Road Engineering Works, Millwall, London, E.

1901. Reynolds, Alfred Milward, Messrs. John Reynolds and Sons, Newtown Row, Birmingham.

1904. Rheam, Norman, Engineer's Office, City and South London Railway, 195 Clapham Road, London, S.W.

1904. Rhodes, Charles Joseph, Messrs. J. Rhodes and Sons, Grove Iron Works, Wakefield. [*Rhodes, Wakefield.* 52.]

1903. Richards, Walter Granger, Manager, William Richards, Britannia Foundry, Middlesbrough. [*William Richards, Middlesbrough.* 10.]

1900. Riches, Carlton Tom Hurry, Locomotive Department, Great Central Railway, Gorton, Manchester; and 1 New Hall Cottages, Ashton Old Road, Droylsden, Manchester.

1893. Richey, William Frederick Albert, Messrs. Chance Brothers and Co., Lighthouse Works, near Birmingham.

1904. Richmond, William Pearson, 25 Selborne Street, Prince's Road, Liverpool.

1895. Ridley, Clarence Oliver, Sir W. G. Armstrong, Whitworth and Co., 8 Great George Street, Westminster, S.W.

1892. Ridley, James Cartmell, Jun., Swalwell Steel Works, Newcastle-on-Tyne.

1896. Rieter, E. Henry, Schloss Kyburg, near Winterthur, Switzerland.

1904. Rigby, Thomas, Messrs. Crossley Brothers, Openshaw, Manchester.

1904. Ripley, Herbert, Messrs. D. Ripley and Sons, Airedale Pattern Works, Meadow Lane, Leeds; and 3 Abbotsford Place, Leopold Street, Leeds.

1902. Ritchie, Andrew Mackie, Messrs. Davey, Paxman and Co., P.O. Box 2037, Johannesburg, Transvaal, South Africa.

1904. Ritchie, John McAuslan, Atlas Engine Works, Indianapolis, Indiana, United States.

1901. Ritchie, Thomas Edward, Messrs. Royce, Cooke Street, Hulme, Manchester.

1901. Riviere, Philip Lyle, Messrs. Kennedy and Jenkin, 17 Victoria Street, Westminster, S.W.

1903. Rix, Gayford, Messrs. Siemens Bros. and Co., Telpherage Dept., York Mansion, York Street, Westminster, S.W.

1903. Robb, John, Chief Engineer, Messrs. Henry Bruce and Sons, Kinleith Paper Mills, Currie, R.S.O., Midlothian.

1903. Robb, William, L. C. C. School of Marine Engineering, High Street, Poplar, London, E.

1899. Roberts, Basil Owen, care of T. H. Douglas, The Bank, Coldstream.

1903. Roberts, Charles Drury, Locomotive Drawing Office, C.S.A. Railways, Pretoria, Transvaal, South Africa.

1893. Roberts, Charles Thomas, Salisbury, Rhodesia, South Africa.

1903. Roberts, Joseph, Manager, Melbourne Tramway and Omnibus Co.'s Car Factory, 27 Scotchmer Street, North Fitzroy, Melbourne, Victoria.

1899. Roberts, Percy Roper, P.O. Box 31, Salisbury, Rhodesia, South Africa.

1903. Roberts, Trevor, Office of Superintendent of the Line, Great Western Railway, Paddington, London, W.

1904. Roberts, William Poulter, Venesta Metal Mill, Kamarhati, near Calcutta, India.

1903. Robertson, George Findlay, National Boiler Insurance Co., 22 St. Ann's Square, Manchester.

1903. Robertson, John Murray, Superintendent, Lucknow Water Works, Aish Bagh, Lucknow, India.

1905. Robertson, William Dunlop, Engineer's Department, St. James's Gate Brewery, Dublin.

1904. Robey, Ernest William, 114 Cheapside, London, E.C. [5359 Bank.]

1901. Robinson, Herbert, care of J. Robinson, Low Moor, Bradford.

1905. Robinson, Isaac Vincent, Messrs. A. R. Brown, McFarlane and Co., 34 West George Street, Glasgow.

1901. Robinson, Leonard Leslie, Borough Electrical Engineer, Hackney Electricity Works, Millfields Road, Clapton, London, N.E.

1901. Robinson, Sydney Greenwood, Messrs. F. L. Smidth and Co., Palace Chambers, 9 Bridge Street, Westminster, S.W.

1903. Robinson, Thomas Henry, 9 Fairfield Road, Chesterfield.

1904. Robus, George Henry, Mansion House Chambers, 20 Bucklersbury, London, E.C. [*Robustness, London.* 756 Bank.]

1901. Rock, James Parthenay, Recorders Ltd., 171 Queen Victoria Street, London, E.C.

1898. Rodda, Joseph Tonkin, Water Works Superintendent, 14 Seaside Road, Eastbourne.

1903. Roe, Harrison, Ropeways Ltd., Eldon Street House, South Place, London, E.C.

1900. Rofe, William, 8 Victoria Street, Westminster, S.W.

1904. Rogers, Ernest Henry, Messrs. Mather and Platt, Salford Iron Works, Manchester.

1904. Rogers, Ernest Norman Cooke, British Thomson-Houston Co., Rugby.

1897. Rogers, William Ivy, Coleridge Chambers, Corporation Street, Birmingham.

1897. Rolf, George, Messrs. Ernest Scott and Mountain, Close Works, Newcastle-on-Tyne; and 8 Bentinck Crescent, Newcastle-on-Tyne.

1903. Rose, Alexander, Manager, Messrs. Howarth Erskine, Ipoh, Perak, Straits Settlements.

1901. Rose, Sydney Durrant, Messrs. Cottrell, Rose and Co., Eddington Iron Works, Hungerford. [*Cottrell, Hungerford.*]

1904. Rosenthal, Frederick Michael Barbanel, care of The Agent, H. H. Nizam's Guaranteed State Railway, Secunderabad, India.

1903. Roseveare, Leslie, City Engineer's Office, Council House, Birmingham.

1899. Rosevere, Gerald Rhodes, British Westinghouse Electric and Manufacturing Co., Trafford Park, Manchester.

1900. Rosevere, Reginald George, Locomotive Department, Midland Railway, Derby.

1895. Ross, Ernest Sydney, Chief Inspector of Machinery, Public Offices, Hobart, Tasmania.

1901. Ross, Frederick George, care of Post Office, Bombay, India.

1894. Rossiter, James Thomas, Mobberley, Grove Park Gardens, Chiswick, London, W.

1904. Rossiter, William Morgan, Westminster Electric Supply Corporation, Eccleston Place, Belgravia, London, S.W.

1884. Roux, Paul Louis, 54 Boulevard du Temple, Paris.

1903. Rowcliffe, John Arthur, 19 All Saints Street, Nottingham.

1901. Rowe, Frank Lander, Manager, Edwards' Air Pump Syndicate, 3 and 5 Crown Court, Old Broad Street, London, E.C. [*Management, London.* Avenue 152.]

1899. Rowe, John, 1 Dean Villas, Camborne.

1904. Rudd, Edward Whitten, Messrs. T. Coulthard and Co., 26 Page Street, Westminster, S.W. [5324 West.]

1901. Rudder, Frank Percy, 10 Madeley Street, Derby.

1902. Rudolph, Oswald Frederick Hermann Leopold, 8 Dreiweiden Strasse, Wiesbaden, Germany.

1896. Ruffle, Frank Felingham, care of Messrs. Ralli Brothers, Calcutta, India.

1902. Rush, Charles Henry Erskine, 74 Clovelly Mansions, Gray's Inn Road, London, W.C.

1901. Rushton, James Lever, Messrs. Dobson and Barlow, Kay Street Machine Works, Bolton.

1901. Rushworth, George William, Managing Director, Messrs. Rushworth Brothers, Crane Works, Colne; and 50 Brown Street, Colne.

1899. Russell, Hubert, Manager, Gas Works, Abergavenny.

1901. Russell, William Russell, Locomotive Department, Great Western Railway, Newton Abbot.

1897. Ruthen, Charles Tamlin, Bank Chambers, Heathfield Street, Swansea.

1904. Ryan, John, Potter and Johnston Machine Co., 54 Avenue de Neuilly, Neuilly-Paris, France.

1897. Rycroft, John Edward, Engineering Department, Technical College, Bradford.

1901. Saccaggio, Pietro Celestino, Estacion Los Talleres, Ferro Carril del Sud, Buenos Aires, Argentine Republic.

1894. Salis, Henry Rodolph de, Ivy Lodge, Iver Heath, near Uxbridge.

1903. Salter, John Ruffell, Engineer-in-Chief, South Lancashire Tramways, 9 North John Street, Liverpool.

1904. Sandaljian, Bedros, 159 Purves Road, Kensal Rise, London, W.

1897. Sanders, George, Messrs. Simon Carves, Monckton Main Collieries, near Barnsley.

1903. Sanders, George Ernest, Electric Light and Cold Storage Co., King William's Town, Cape Colony.

1903. Sanderson, Herbert William, Messrs. Sanderson and Robinson, Mansfield.

1902. Sandford, John, 44 Waterloo Street, Birmingham. [*Opossum, Birmingham.* 2525.]

1896. Sangster, Charles, Works Manager, Cycle Components Manufacturing Co., Bournbrook, Birmingham.

1903. Saunders, Albert Frank, 21 Phillimore Street, Fremantle, Western Australia.

1904. Sauvée, Leon Louis, Messrs. Albert Sauvée and Co., Union Works, 60 Park Street, Southwark, London, S.E. [*Sovez, London.* 2265 Hop.]

1901. Sawyer, Charles Payne, Messrs. Thomas Turton and Sons, Sheaf Works, Sheffield; and 36 South Grove Road, Sheffield.

1896. Scanlan, Horace Edward, Beaconsfield, Longfleet, Poole.

1893. Schloesser, Robert, care of Max Gorler, Messrs. Brandeis, Goldschmidt and Co., 60 Queen Street, Melbourne, Victoria.

1903. Schmidt, Frederick Albert, 50 High Street, Tunbridge Wells.

1904. Schofield, Samuel Dean, Resident Electrical and Tramways Engineer, Shipley Urban District Council, Electricity Works, Shipley.

1902. Schontheil, Theodore, District Manager, Messrs. Robert W. Blackwell and Co., 14 High Street, Cardiff. [0888.]

1900. Schutte, Francis Albert, Otis Elevator Co., 4 Queen Victoria Street, London, E.C.

1902. Scott, Henry, care of Messrs. Scott and Brown, P.O. Box 495, Christchurch, New Zealand.

1897. Scott, Newton L., 18 Ironmonger Lane, Cheapside, London, E.C. [8036 Bank.]

1899. Scott, Robert, Manager, Windsorton Diamonds Co., Windsorton, Kimberley, South Africa.

1901. Scott, Thomas, Messrs. Macartney, McElroy and Co., 53 Victoria Street, Westminster, S.W.

1900. Seabrook, Arthur Hugh, Engineer and Manager, Municipal Electricity Works, Barking.

1903. Seavill, Leonard Crowley, Messrs. Topping and Seavill, Rosario de Santa Fé, Argentine Republic.

1899. Secchi, Leopold, Sir W. G. Armstrong, Whitworth and Co., 8 Great George Street, Westminster, S.W.; and 62 Carminia Road, Balham, London, S.W.

1903. Selz, Rudolph, Vauxhall Ironworks Co., Wandsworth Road, London, S.W.

1903. Semark, Charles Henry, Messrs. Semark and Hudson, Faversham Iron Works, Faversham.

1904. Settle, Joseph Risley, H.M. Dockyard, Gibraltar.

1905. Seymour, John Henry, Locomotive Carriage and Wagon Superintendent, Isle of Wight Central Railway, Newport, Isle of Wight.

1892. Seymour, William Frederick Earl, H.M. Inspector of Factories, 39 Victoria Street, Westminster, S.W.

1904. Shackleton, Ernest, 101 Hollydale Road, Peckham, London, S.E.

1901. Shadwell, Lancelot Horace Augustus, Natal Government Harbour Department, Port Natal, South Africa.

1903. Shanan, Charles Henry, Municipal Electrical Engineer, Rockwood, Mussoorie, India.

1903. Sharr, Francis Joseph, Lingfield, Riggindale Road, Streatham, London, S.W.

1901. Shaw, George, care of R. L. Caryl Roberts, The Manor House, Cleobury Mortimer, S.O., Salop.

1902. Shaw, John, 3 Ashford Street, Shelton, Stoke-on-Trent.

1900. Shaw, William Campbell, Danesbury, Hinckley Road, Nuneaton.

1903. Shaw, William Wilson, 26 Quarry Road, Wandsworth, London, S.W.

1899. Sheffield, Frederick Gerard, Swiftbrook Mills, Saggart, Dublin.

1901. Sheffield, Thomas William, British Thomson-Houston Co., Trevelyan Buildings, Corporation Street, Manchester. [*Helix, Manchester.* 4160.]

1902. Sheriff, John Edward, 711 Oldham Road, Failsworth, Manchester.

1904. Sherwin, John Wallis, Post Office, Winnipeg, Canada.

1899. Shiba, Chuzaburo, Engineering College, Imperial University, Tokyo, Japan.

1903. Shiner, Albert Edward, Bleak House Engineering Works, 2 Holborn Buildings, Holborn Bars, London, E.C. [1751 Holborn.]

1897. Shirtliff, Frederick, Messrs. Burn and Co., Howrah, Bengal, India.

1904. Shoolbred, Andrew Reid, Messrs. G. J. Worssam and Son, Wenlock Road, City Road, London, N.

1905. Shorthouse, Benjamin, Finsbury Technical College, Leonard Street, City Road, London, E.C.

1903. Simcock, Philip, care of Messrs. Shewan, Tomes and Co., Hong Kong, China.

1902. Simpkin, Frank Henry, Steel Department, Messrs. Charles Cammell and Co., Grimesthorpe, Sheffield.

1900. Simpson, Donald Grafton, Trafalgar Works, Barbados, West Indies.

1900. Simpson, Lightly Stapleton, Great Eastern Railway, Stratford, London, E.

1901. Simpson, Norman De Lisle, Resident Engineer, Bournanston Pumping Station, Water Works Department, Barbados, West Indies.

1898. Simpson, Stephen, Messrs. Willey and Co., James Street Works, Exeter; and Tregear, Exeter.

1901. Simpson, Walter, 9 Boardman Street, Eccles, near Manchester.

1904. Singleton, William Alan, Messrs. Crossley Brothers, Openshaw, Manchester.

1902. Skinner, George, 19 Russell Street, Bolton.

1899. Slingsby, Walter, Mostyn Mount, Ovenden, Halifax.

1902. Smail, Charles George, 8 Wynell Road, Forest Hill, London, S.E.

1903. Smart, Lewis Anderson, Birkbeck Bank Chambers, Holborn, London, E.C. [*Uncanny, London.* 4982 Holborn.]

1901. Smeeton, John Alfred, Messrs. Richardsons, Westgarth and Co., 9 Gracechurch Street, London, E.C.

1901. Smith, Adam, Messrs. Yates and Thom, Canal Foundry, Blackburn.

1901. Smith, Alfred, Manager, Messrs. Daniel Smith and Co., Castle Iron Works, Raglan Street, Wolverhampton. [*Presses, Wolverhampton.* 210.]

1904. Smith, Cades Alfred Middleton, King's College, Strand, London, W.C.

1902. Smith, Edward Turner, Assistant Locomotive Superintendent, Lagos Government Railway, Lagos, West Africa.

1904. Smith, Ernest Edward, India-rubber and Telegraph Works, Silvertown, London, E.

1899. Smith, Francis Sumner, Messrs. Hill and Smith, 118 Queen Victoria Street, London, E.C.

1903. Smith, Frederick George, Works Manager, Highland Railway, Inverness.

1900. Smith, Frederick Hardcastle, Messrs. Thomas Smith and Sons, Steam and Electric Crane Works, Old Foundry, Rodley, near Leeds. [*Smith, Rodley.* Stanningley 18.]

1899. Smith, Frederick Hugh, Babcock and Wilcox Co., Oriel House, Farringdon Street, London, E.C.

1898. Smith, Herbert William, Works Manager, Messrs. Sydney Smith and Sons, Basford Brass Works, Nottingham; and Gordon Lodge, Easthorpe, Ruddington, Nottingham.

1900. Smith, John Bucknall, 90 Wickham Road, St. John's, London, S.E.

1900. Smith, John Smart, Messrs. S. Pearson and Son, New Dry Docks, H.M. Dockyard, Malta.

1903. Smith, Jonah Walker, Borough Engineer and Surveyor, Town Hall, Barrow-in-Furness.

1891. Smith, Joseph Philip Grace, 46 Uverdale Road, Chelsea, London, S.W.

1900. Smith, Montague Howard, The Bourne Engineering Co., 19 and 21 Queen Victoria Street, London, E.C.

1904. Smith, Reginald Redhead, Simms Manufacturing Co., Welbeck Works, Kimberley Road, Willesden Lane, Kilburn, London, N.W.

1898. Smith, Thomas John, Cannon Street, Hanley, Staffordshire.

1902. Smith, Walter Tom, Messrs. Thomas Smith and Sons, Steam and Electric Crane Works, Old Foundry, Rodley, near Leeds. [*Smith, Rodley.* Stanningley 18.]

1904. Smith, William Joseph, Midland Railway Carriage Department, Derby.

1904. Smyth, Gerald Millner, Chief Engineer, Geldenhuis Deep, Cleveland, Johannesburg, Transvaal, South Africa.

1901. Smyth, John McFall, Borough Electrical Engineer, Municipal Electricity Works, Keighley.

1904. Smyth, Robert Henry, Water Boring Operations, Cape Government Railways, Imvana Station, near Queenstown, Cape Colony.

1901. Smyth, William Miller Campbell, British Luxfer Prism Syndicate, 16 Hill Street, Finsbury, London, E.C. [*Luxfer, London.* London Wall 90.]

1904. Soames, Ernest Arthur, 13 Fenchurch Avenue, London, E.C.

1903. Somers, Richard Mousley, Messrs. Teale and Somers, Silver Royd Iron Works, Tong Road, Wortley, Leeds. [*Hob, Leeds.* 826.]

1899. Somerville, Frederick Herbert, New College, Hampstead, London, N.W.

1903. Sopwith, John, Resident Engineer, East and West India Docks, London, E.

1902. Soyres, Bernard de, 5 Buckingham Place, Clifton, Bristol.

1899. Speight, James William, 13 Victoria Street, Westminster, S.W.; and 1 Hollywood Villas, Melrose Road, West Hill, Wandsworth, London, S.W.

1901. Spencer, Arthur Lincolne Hitchcock, Manager, Messrs. W. H. Spencer and Co., Hitchin. [*Engine, Hitchin.* 5.]

1897. Spencer, Henry Wilmot, Colin Depe, Parrock Avenue, Gravesend.

1899. Spencer, Perceval, 5 Albert Terrace, Old Trafford, Manchester.

1901. Spencer, William Edward Spencer Hitchcock, St. Margaret's, Hitchin.

1905. Spicer, Frederick Lemuel, British Thomson-Houston Co., Rugby.

1899. Spiller, Claude, 54 Hanover Road, Plumstead.

1904. Spring, Arthur Lawrence, City Engineer's Department, Town Hall, Hull.

1903. Sproule, George Huston Russell, Hotel Norman, Bree Street, Johannesburg, Transvaal, South Africa.

1901. Sprunt, Herbert William, Engineer-in-Chief, South London Electric Supply Corporation, Bengeworth Road, Loughborough Junction, London, S.E.

1903. Spurr, Gilbert Richard, Tramways Engineer, Ilford Urban District Council, Tramways Depôt, Ley Street, Ilford.

1900. Squire, George Frederick, Brixton Hill Motor and Engineering Works, 146 Brixton Hill, London, S.W.

1903. Stanger, Reginald Harry Hursthouse, Broadway Testing Works, Broadway, Westminster, S.W. [117 West.]

1901. Stanier, William Arthur, Locomotive and Carriage Department, Great Western Railway, Paddington, London, W.

1904. Stanley, Harry Frank, Jun., Messrs. H. Pontifex and Sons, Farringdon Works, Shoe Lane, London, E.C.

1898. Statham, Frederick Benjamin, 85 West George Street, Glasgow.

1900. Statham, Harry, Mimico, Ontario, Canada.

1902. Stedman, George Percy William, Works Manager, Railway Foundry and Engineering Works, Reading.

1904. Steedman, Henry Percy Gormanston, Managing Director, London Wax Vesta Co., The Point, Wandsworth, London, S.W.

1900. Steel, Thomas John, Messrs. Fawcett, Preston and Co., 17 York Street, Liverpool.

1899. Steinmetz, Arthur Samler Bernard, 9 Woburn Road, Bedford.

1902. Stenning, Hugh Walter, Locomotive Superintendent, Soudan Military Railways, Shendy, Soudan, Egypt.

1901. Stephens, Hilliard, 39 Victoria Street, Westminster, S.W. [*Stahlwerk, London.*]

1900. Stephenson, Alfred, 96 Tennyson Place, Otley Road, Bradford.

1899. Stevens, Edwin Charles, Messrs. Archibald Smith and Stevens, Janus Works, Queen's Road, Battersea, London, S.W. [*Hydraulics, London.* Battersea 115.]

1902. Stevenson, John, Superintending Engineer, Mazawattee Tea Co., Knoyle Street, New Cross, London, S.E.

1903. Stevenson, John Le Che, Messrs. Stewart and Lloyd, Coombs Wood Tube Works, Halesowen, Birmingham.

1903. Stewart, Charles, Locomotive Department, Great Northern Railway, King's Cross, London, N.

1902. Stirling, John Alexander Maxwell, Resident Engineer, Great Indian Peninsula Railway, Agra-Delhi Line, Agra, India.

1898. Stockton, Cecil, Messrs. Sanderson and Porter, 52 William Street, New York, United States.

1901. Stokes, John Thomas, H.M. Office of Works, Storey's Gate, Westminster, S.W.; and Coningsby, Disraeli Road, Putney, London, S.W.

1904. Stonebridge, Arthur Watson, Messrs. Bergtheil and Young, 12 Camomile Street, London, E.C.

1901. Stones, William Grimshaw, 10 Richmond Terrace, Blackburn. [171.]

1904. Storie, George Bright, 129 Edmund Street West, Rochdale.

1905. Stotesbury, Richard Henry, Homeville, Stonehouse, Gloucestershire.

1904. Stove, Alfred Edwin, Messrs. Nunan and Stove, Hastings House, 10 Norfolk Street, Strand, London, W.C. [*Nunan, London.* 2896 Gerrard.]

1902. Stow, George, Southdown Road, Shoreham, Sussex.

1901. St. Paul, Clarence, Messrs. St. Paul and Dadina, Graham's Buildings, Bombay, India.

1901. Strathern, Alexander George, Strathern's Weldless Chains, Gartsherrie, N.B.

1904. Stringer, Percy, Messrs. Tasker and Sons, Andover.

1900. Strong, Alfred George, Messrs. H. O. Strong and Co., Norfolk Works, St. Paul's, Bristol. [*Omega, Bristol.* 289.]

1901. Stubbs, Herbert, Manual Instruction Department, Higher Grade School, Wolverhampton.

1904. Sturgeon, William Eustace, 2 Woodland Grove, Chapeltown Road, Leeds.

1904. Sturrock, James Fleming, Messrs. Robertson and Orchar, Wallace Foundry, Dundee.

1898. Suffield, Charles Augustus, Hadfield's Steel Foundry Co., East Hecla Works, Tinsley, Sheffield; and 48 Bannerdale Road, Sheffield.

1897. Suffield, Frank Wilson, Glen Lyn, Grove Avenue, Moseley, Birmingham.

1901. Summerfield, Richard Dunning, Elmhurst, Duffield, Derby.

1902. Sumner, Leonard, Broughton Copper Co., Manchester. [*Copper Co., Manchester.* 638.]

1903. Sunderland, Wallace, 2 Hovingham Avenue, Harehill Lane, Leeds.

1900. Sutcliffe, Edgar Rouse, Messrs. Sutcliffe, Speakman and Co., Leigh, Lancashire.

1904. Sutherland, Donald, Jun., Messrs. Hawthorns and Co., Leith Engine Works, Leith.

1896. Sutherland, James, Manager, Alumina Factory, Larne Harbour, County Antrim, Ireland. [*Aluminium, Larne Harbour.*]

1894. Sutton, Hugh Reginald, Messrs. Mackies, Berks Iron Works, Caversham Road, Reading. [*Mackies, Reading.* 86.]

1905. Sutton, Mark, 122A Rua Barão de Mesquita, Andarahy Grande, Rio de Janeiro, Brazil.

1901. Swaine, Albert Tom, 18 Hosack Road, Upper Tooting Park, London, S.W.

1896. Swallow, John, Messrs. W. Neill and Son, Bold Iron Works, St. Helens Junction, Lancashire. [*Neill, St. Helens.* 20.]

1902. Swan, Edward Montgomery, 127 Bute Road, Bute Docks, Cardiff.

1904. Sweatman, Harry, Messrs. G. J. Worssam and Son, Wenlock Road, City Road, London, N.

1904. Swinchatt, Percival Hall, Government Industrial Arts School, Lucknow, India.

1904. Symons, James Francis, Mechanical Engineering Department, London County Council, Spring Gardens, London, S.W.

1887. Tabor, Edward Henry, Rotherhithe Tunnel Works, Shadwell, London, E.

1893. Takatsuji, Narazo, care of Kanribu, Messrs. Mitsui and Co., Suruga-cho, Tokyo, Japan.

1895. Takimura, Takeo, General Manager, Osaka Cotton Mill, Osaka, Japan.

1905. Talbot, Ernest, Manager, Mansfield Engineering Co., Pelham Street, Mansfield.

1893. Talbot, Frederick William, Engineer and Manager, Water Works, Frimley Green, Farnborough, Hants.

1897. Talbot, William John, Messrs. John Russell and Co., Alma Tube Works, Walsall.

1902. Tarver, Herbert Henry, Messrs. Walker, Sons and Co., Fairfield Iron Works, Kandy, Ceylon.

1901. Tatham, James Ernest, care of G.P.O., Sydney, New South Wales.

1902. Tatton, Albert Lightowler, Royal Arsenal, Woolwich; and 57 Hanover Road, Plumstead.

1902. Tatton, Frederick Thomas Joseph, India Office Stores Depôt, Belvedere Road, Lambeth, London, S.E.

1899. Taverner, Herbert Lacy, 12 Mosley Street, Newcastle-on-Tyne. [*Freezing, Newcastle-on-Tyne.*]

1903. Taylor, Alfred Bertram, Messrs. Bramwell and Harris, 5 Great George Street, Westminster, S.W.

1902. Taylor, Arthur, 99 Fonthill Road, Finsbury Park, London, N.

1897. Taylor, Arthur Joseph, 6 Apsley Crescent, Manningham, Bradford.

1905. Taylor, Charles Albert, Messrs. Savage and Co., Suffolk Place, Snow's Fields, Bermondsey, London, S.E.

1900. Taylor, Charles Percy, Park House, Gravesend.

1902. Taylor, Dudley Foster, The Kynoch Forward Engineering Co., Holford Works, Perry Barr, Birmingham.

1902. Taylor, Ernest Edward, Engineer, Leavesden Asylum, King's Langley, R.S.O., Herts.

1902. Taylor, Frank Coston, Egyptian Government Railways, Cairo, Egypt.

1901. Taylor, Tom, Chief Engineer, Messrs. C. Townsend, Hook and Co., Snodland, S.O., Kent; and Millbrook House, Snodland, S.O., Kent.

1905. Taylor, Wilfrid, Messrs. T. Stather and Co., 25–26 Hopwood Street, Hull. [*Motors, Hull.* 548.]

1902. Taylor, William Robert Cheetham, 32 Greenhill Road, Middleton Junction, Manchester.

1904. Tennant, Alfred Marmaduke, Alexandria Water Works, Alexandria, Egypt.

1902. Tennant, James, Superintending Engineer, The British Insulated and Helsby Cables, Prescot, Lancashire.

1899. Tennant, William John, Messrs. Boult, Wade and Kilburn, 111 Hatton Garden, London, E.C.

1893. Tenney, Dennis, Messrs. Agar, Cross and Co., 124 Calle Defensa 136, Buenos Aires, Argentine Republic.

1899. Tester, William Andrews, Borough Electrical and Tramways Engineer, Corporation Electricity Works, Lancaster.

1898. Thain, William Arthur, University College, Cardiff.

1901. Thom, Frank, Messrs. Yates and Thom, Canal Foundry, Blackburn.

1904. Thom, John, London Central Markets Cold Storage Co., 223 Central Markets, London, E.C.

1901. Thomas, Arthur Lloyd, Market Square Chambers, Pontypridd.

1903. Thomas, Evan Gibson, Messrs. Bramwell and Harris, 5 Great George Street, Westminster, S.W.

1902. Thompson, Arthur Beeby, 1 Leadenhall Buildings, London, E.C.

1902. Thompson, Edgar Wakelin, Manager, Boyd's Ice Factory, Kalikat Street, Bombay, India.

1901. Thompson, Frederick Wilberforce, Messrs. Kennedy and Jenkin, 17 Victoria Street, Westminster, S.W.; and 62 St. Alban's Avenue, Bedford Park, London, W.

1897. Thompson, Herbert, Messrs. Thompson Brothers, 111 Carver Street, Sheffield.

1902. Thompson, Stephen John, Ettingshall Boiler Works, Wolverhampton.

1896. Thompson, Thomas, 30 Lee Terrace, Blackheath, London, S.E.

1903. Thomson, Alfred Morris, Hozier Engineering Co., Hozier Street, Bridgeton, Glasgow.

1901. Thomson, David Lockerbie, Ponce, Porto Rico.

1894. Thomson, Henry, Engineer, Cawnpore Woollen Mills, Cawnpore, India.

1901. Thomson, James Cunningham, Meadows Road, Tientsin, North China.

1893. Thomson, James Watson, Robert Gordon's College, Aberdeen.

1904. Thorne, Henry Hubert, 23 Fitzwilliam Road, Clapham, London, S.W.

1899. Thornycroft, John Edward, Messrs. John I. Thornycroft and Co., Church Wharf, Chiswick, London, W. [*Thornycroft, London.* 7306.]

1901. Thorpe, Wilfred Bertram, Charing Cross and Strand Electricity Supply Corporation, 15 Maiden Lane, Covent Garden, London, W.C.

1903. Thunder, Cyril Joseph, Great Western of Brazil Railway, Pernambuco, Brazil.

1902. Titren, Gerald Ernest de Keyser, Natal Government Railway Works, Durban, Natal.

1893. Tomes, William Jameson, District Locomotive Superintendent, East Indian Railway, Jamalpur, Bengal, India: (or care of Joshua Tomes, Croft House, Clacton-on-Sea.)

1905. Toms, Robert, Royal Albert Memorial College, Exeter.

1900. Tottle, Edward George, Works Manager, Wicks Rotary Type Casting Co., Willesden Junction, London, N.W. [*Enargite, London.* Harlesden 15.]

1900. Townsend, William, Messrs. Joseph Baker and Sons, Willesden Junction, London, N.W.

1896. Trafford, Alfred, General Electric Co., Peel Works, Salford, Manchester.

1903. Tregoning, Wynn Harold, Messrs. Bramwell and Harris, 5 Great George Street, Westminster, S.W.

1904. Trench, William Connell Power, 44 Headingley Road, Handsworth, Birmingham.

1901. True, Robert Arthur, Works Manager, Messrs. Barford and Perkins, Queen Street Iron Works, Peterborough.

1899. Trunchion, William Thomas Fawdon, Messrs. Grafton and Co., Vulcan Works, Bedford.

1902. Tubbs, William Edward, Bede Terrace West, Barnard Castle.

1902. Tunley, Percy James, Messrs. Johnson and Phillips, Old Charlton, Kent.

1902. Turner, Douglas, 144 Cambridge Drive, Kelvinside, Glasgow.

1905. Turner, Eustace Hooper, 4 Lloyds Avenue, Fenchurch Street, London, E.C. [*Punitory, London.* 6225 Avenue.]

1900. Turner, Frederick William, Messrs. E. R. and F. Turner, St. Peter's Iron Works, Ipswich. [*Gippeswyk, Ipswich.*]

1893. Turner, Henry Arthur, care of Arthur Koppel, 27 Clement's Lane, London, E.C.

1903. Turner, John Alexander, Manager, Gildenburgh Brick Co., Whittlesea, Peterborough. [*Bricks, Peterborough.* 24.]

1900. Turner, William, Messrs. Davidson and Co., 37 Corporation Street, Manchester.

1904. Turner, William Wallace, Electrical Engineer's Department, New South Wales Government Railways, Sydney, New South Wales.

1902. Turpin, William Alfred, Works Manager, Messrs. Panhard and Levassor, Kimberley Road, Willesden Lane, Edgware Road, London, N.W.

1903. Tweedie, Kenneth Digby, Messrs. A. J. Barry and Bradford Leslie, 7 The Sanctuary, Westminster, S.W.

1901. Unwin, Maurice Everett, Messrs. John Brown and Co., Sheffield.

1902. Urie, James Barclay, Engine Boiler and Employers' Liability Insurance Co., 12 King Street, Manchester.

1901. Urmston, Peter, Danelova Manufactur, Moscow, Russia.

1898. Urquhart, Ridley James, 57 Barton Arcade, Manchester. [*Kinetic, Manchester.*]

1903. Usherwood, Thomas Scriven, St. Dunstan's College, Catford, London, S.E.

1900. Venning, Albert John, Engineer Sub-Lieut. R.N., St. Feock, Devoran, R.S.O., Cornwall.

1900. Venning, Thomas Arnold, Engineer Sub-Lieut. R.N., St. Feock, Devoran, R.S.O., Cornwall.

1896. Vernon, William Harry, Messrs. E. Green and Son, Wakefield.

1892. Vezey, Albert Edward, 682 Rotherhithe Street, London, S.E.

1905. Vickers, Ernest John, Lyndhurst, 160 Osbaldeston Road, Stamford Hill, London, N.

1901. Visick, Charles, Works Manager, Messrs. W. Visick and Sons, Basset Works, Devoran, Cornwall.

1902. Wade, Francis Richard, Beeston, Frederick Road, Stechford, Birmingham.

1904. Wadham, Robert, Messrs. Calvert and Co., 42 Wasagatan, Stockholm, Sweden.

1901. Walford, Frederick, Behar School of Engineering, Bankipur, India.

1901. Walkem, George Alexander, Manager, Vancouver Engineering Works, Vancouver, British Columbia.

1901. Walker, Alfred, Municipal Technical Institute, Romford Road, West Ham, London, E.

1904. Walker, Arthur, Messrs. Burrell and Co., Burrell's Wharf, Millwall, London, E.

1903. Walker, Arthur Ernest, Messrs. Walker Brothers, 36 Basinghall Street, London, E.C.

1901. Walker, Robert, Messrs. John Musgrave and Sons, Globe Iron Works, Bolton.

1901. Walker, Robert Hugh, Manager, Neuchatel Asphalte Co., Travers, Neuchatel, Switzerland.

1904. Walker, Thomas, Churchend, Twyning, Tewkesbury.

1899. Walker, William Peto, Vacuum Brake Co., 32 Queen Victoria Street, London, E.C.

1904. Wallace, Cecil Percy, care of Messrs. John Birch and Co., 3 London Wall Buildings, London, E.C.

1901. Walsh, Thomas, 33 Glen Eldon Road, St. Anne's-on-Sea, R.S.O., Lancashire.

1903. Walton, Denys, The Patent Office, 25 Southampton Buildings, London, W.C.

1904. Ward, Augustine Melliar, Works Manager, London Paper Mills Co., Riverside Mills, Dartford.

1897. Ward, John Cecil, 52 Queen Victoria Street, London, E.C. [*Allentare, London.* Bank 657.]

1900. Ward, Joseph Philip, Survey Department, General Mining and Finance Corporation, Johannesburg, Transvaal, South Africa.

1900. Warden-Stevens, Frederic J., 34 Victoria Street, Westminster, S.W.

1901. Wardle, Frank Harold, Electricity Department, Nottingham Corporation, Talbot Street, Nottingham.

1903. Warner, Harold Metford, Messrs. Maw, Dredge and Hollingsworth, 35-36 Bedford Street, Strand, London, W.C.

1903. Warner, James Sutherland, Glen Deep, Disraeli Road, Forest Gate, London, E.

1892. Warton, Richard George Frank, Kopje Post Office, Salisbury, Rhodesia, South Africa: (or care of C. H. Gardiner, 24 Grosvenor Terrace, York.)

1902. Warwick, Walter, Jacob Sassoon Mill, Parel, Bombay, India.

1895. Wasdell, Abel, Superintendent, Water Works, Allahabad, India.

1904. Watson, Allan Griffiths, Cape Government Railways, Locomotive Drawing Office, Uitenhage, Cape Colony.

1903. Watson, George William, Thornycroft Steam Wagon Co., Chiswick, London, W.

1902. Watson, Herbert Edward, 146 Clive Road, West Dulwich, London, S.E.

1902. Watson, John Craig, Messrs. H. Eckstein and Co., P.O. Box 149, Johannesburg, Transvaal, South Africa.

1900. Watson, Richard, Charing Cross and Strand Electricity Supply Corporation, 85 Commercial Road, Lambeth, London, S.E.

1904. Watts, William John Thomas, Works Manager, Messrs. R. Moreland and Son, 80 Goswell Road, London, E.C.

1898. Waugh, Hylton Norman Drake, Locomotive Department, London Brighton and South Coast Railway, Brighton.

1897. Waynforth, Harry Morton, Assistant Professor of Engineering, King's College, Strand, London, W.C.

1902. Wayte, James Benjamin, Messrs. Wayte Brothers, 12 Lemon Street, Dublin. [1187.]

1901. Weaver, Henry James, Borough and Waterworks Engineer, Town Hall, King's Lynn.

1901. Webb, John Frederick, 20 Louvaine Road, St. John's Hill, Clapham Junction, London, S.W.

1904. Webster, Arthur Guy, Sunbury, Westbourne Road, Sheffield.

1900. Wellington, John Morecraft, 13 Albion Road, Clapham, London, S.W.

1904. Wells, Edward Nelson, Superintendent Engineer, The Union Cold Storage Co., 2-5 West Smithfield, London, E.C.

1903. Wells, Joseph Malcolm, London Hydraulic Power Co., Palace Chambers, 9 Bridge Street, Westminster, S.W.

1893. Wells, Sidney Herbert, Principal, Battersea Polytechnic Institute, Battersea, London, S.W.

1899. West, Haarlem Ethneen, La Leonesa Mine, Matagalpa, Nicaragua.

1902. West, William Pownoll, Mina Demetrio, Alcaracejos, Provincia de Cordoba, Spain.

1902. Western, Hugh (*Life Associate Member*), Egyptian State Railway, Cairo, Egypt.

1903. Westley, Charles Barnard, Messrs. Brazil, Holborow and Straker, Vulcan Iron Works, Bristol.

1899. Weston, George Cambridge, Kensington and Knightsbridge Electric Lighting Co., Albert Vaults, Prince Consort Road, South Kensington, London, S.W.

1902. Weston, William Newton, Messrs. Robert Dawson and Co., Hartley Works, Stalybridge.

1902. Wetherell, Raymond Edward Cordeux, Engineer's Department, London County Council, Spring Gardens, London, S.W.; and 168 Stockwell Park Road, Brixton, London, S.W.

1897. Whale, Ralph Abrahams, Abbeyfield Road, Pitsmoor, Sheffield.

1902. Wheater, Ernest John, Messrs. W. Summerscales and Sons, Phœnix Works, Keighley.

1899. Wheeler, Oswald, Polam Road, Darlington.

1902. Whichello, Richard Edward, Messrs. Martin and Co., Jackson House, Calcutta, India.

1900. White, Daniel Hubert, 63 The Drive, Fulham, London, S.W.

1904. White, Thomas Hyler, 2 Canterbury Road, West Croydon.

1904. White, William Arthur, Gas Engineer's Office, Falkirk.

1899. Whitehead, James Peter, Messrs. Whitehead, Sumner, Harker and Co., 196 Deansgate, Manchester.

1892. Whitehead, Richard David, Municipal Technical College, Green Hill, Derby.

1899. Whitehouse, Alfred, 7 Prospect Road, Moseley, Birmingham.

1904. Whitehouse, George Henry, Messrs. G. H. Whitehouse and Co., Great Bridge Engineering Works, Tipton.

1902. Whitelock, William Henry, Messrs. W. H. Whitelock and Co., Victoria Lane, Plymouth; and 3 Holland Road, Mutley, Plymouth.

1903. Widdicombe, Robert Alexander, Kroeschell Brothers Co., 55 Erie Street, Chicago, Ill., United States; and 1651 Roscoe Street, Chicago, Ill., United States.

1903. Widdowson, Ernest Leedham, Messrs. Drakes, Ovenden, Halifax.

1898. Wigglesworth, Frank, Messrs. Frank Wigglesworth and Co., Clutch Works, Moss Street, Bradford.

1903. Wigram, Walter Gott, Messrs. John Fowler and Co., Steam Plough Works, Leeds.

1895. Wild, Adamson George, care of W. S. Laycock, Victoria Street Works, Sheffield.

1903. Wilding, James Armstrong, Messrs. J. A. Wilding and Co., 3 Wilson Street, Drury Lane, London, W.C. [*Effacing, London.* 4633 Gerrard.]

1902. Wile, Julius Isaac, Wile Power Gas Co., 212 Cutler Building, Rochester, N.Y., United States.

1903. Wilkinson, Frank, Engineer's Department, Town Hall, Rochdale.

1904. Wilkinson, William Henry, Manager, Messrs. Matheson's Works and Saw Mills, Hunsur, Southern India.

1904. Willans, Charles Turner, Baku Russian Petroleum Co., Baku, Russia.

1903. Willcocks, John, Dial Foundry, Buckfastleigh, R.S.O., Devon. [*Willcocks, Buckfastleigh.*]

1892. Williams, Arthur Edward, Farringdon Works, Shoe Lane, London, E.C.

1904. Williams, Charles, Resident Engineer, Water Works Pumping Station, Blagdon, near Bristol.

1900. Williams, Charles Edward, Inspection Department, Crown Agents for the Colonies, Whitehall Gardens, London, S.W.

1902. Williams, Charles John, 8 Grosvenor Road, Handsworth, Birmingham.

1904. Williams, Daniel, Resident Engineer, Atherton District Council, Town Hall, Atherton, Manchester.

1901. Williams, David Thomas, Messrs. Sherriff, Swingley and Co., P.O. Box 1135, Johannesburg, Transvaal, South Africa.

1904. Williams, Edward John, Royal Gunpowder Factory, Waltham Abbey, S.O., Essex.

1903. Williams, Ernest Thomas, Electricity Works, Gibraltar.

1899. Williams, Hal, 60 Queen Victoria Street, London, E.C. [*Kawaka, London.* 3333 Central.]

1899. Williams, John Ellacott, Linacre, 37 Burgoyne Road, Harringay, London, N.

1903. Williams, John Robert, Tramway Power Station, Kelham Island, Sheffield.

1904. Williams, Norman Claringbould, Messrs. Belliss and Morcom, Ledsam Street, Birmingham.

1904. Williams, Vernon Ingram Norbury, Sir W. G. Armstrong, Whitworth and Co., Ashton Road, Openshaw, Manchester.

1900. Williams, Walter Doel, Barry Transporter and Engineering Co., 15 Great George Street, Westminster, S.W.; and Bridge House, Beddington Corner, Mitcham Junction, Surrey.

1899. Williamson, Edward, Messrs. Manlove, Alliott and Co., 41–42 Parliament Street, Westminster, S.W. [*Manloves, London.* 3405 Gerrard.]

1900. Willis, Edward, Willesden District Council, Public Offices, Dyne Road, Kilburn, London, N.W.

1902. Willis, George, Messrs. Willis and Son, High Street, Eton, Windsor; and 'Nhlazatie, Montem Road, Slough. [*Willis, Eton, Windsor.* 3 Windsor.]

1904. Willis, George Oswald Bell, Works Manager, Bolton Iron and Steel Co., Bolton.

1904. Willshear, Edward, 158 Claremont Road, Forest Gate, London, E.

1903. Willsteed, Charles Wesley, R.N., H.M.S. "Indus," Devonport.

1890. Wilson, Alexander Cowan, care of L. P. Nott, 17 Priory Street, Birkenhead.
1903. Wilson, Charles Augustus, 36 Bank Street, Hillhead, Glasgow.
1898. Wilson, Daniel Ellis, Ras-el-Haleeg, Garbieh, Lower Egypt.
1903. Wilson, Frank, Messrs. Mosers, 178 Borough High Street, London, S.E.
1898. Wilson, John Charles, Messrs. Guest and Chrimes, Rotherham; and Foston House, Doncaster Road, Rotherham.
1902. Wilson, Leonard Herbert, Public Works Department, Government Buildings, Pretoria, Transvaal, South Africa.
1903. Wilson, Orin Salathial, Manager, Messrs. Fairbanks, Morse and Co., 126 Southwark Street, London, S.E.
1901. Wilson, Richard Dawes, 2 Ennerdale Road, Kew Gardens, Surrey.
1903. Wilson, Robert James, Tintern, 31 Clovelly Road, Ealing, London, W.
1904. Wilson, William Buxton, Superintending Engineer, Penang Sugar Estates Co., Penang, Straits Settlements.
1903. Windsor, Arthur Whalesby, Wolseley Tool and Motor Car Co., Adderley Park, Birmingham.
1902. Winebloom, Albert Victor, 84 Savernake Road, Hampstead, London, N.W.
1902. Wingate-Saul, Arthur Wingate, Messrs. Yates and Thom, Canal Foundry, Blackburn.
1900. Winlaw, William Willoughby, 12 Australasian Chambers, Martin Place, Sydney, New South Wales.
1903. Wintour, Ernest Richard, Lambeth Water Works, Brixton Hill, London, S.W.
1904. Wiswall, John William, Engineer's Office, Bridgewater Department, Manchester Ship Canal Co., Runcorn.
1902. Wolff, Charles, General Manager, Messrs. Power's and Deane, Ransome's Ltd., Plymouth Wharf, Cubitt Town, London, E.
1903. Wolstenholme, Walter, Messrs. John Musgrave and Sons, 8 New Club Buildings, Main Street, Johannesburg, Transvaal, South Africa.
1900. Wood, Charles, Fairview, British Columbia.
1905. Wood, Harry Herbert Elliott, Electricity Works, Townmead Road, Fulham, London, S.W.
1903. Wood, Samuel, Hadfield's Steel Foundry Co., East Hecla Works, Tinsley, Sheffield.
1904. Wood, William John Harvey, Station Superintendent, Bolton Corporation Electricity Works, Bolton.
1902. Woodeson, William Armstrong, Messrs. Clarke, Chapman and Co., Gateshead.
1901. Woodger, Peter Bisset, Messrs. S. Pearson and Son, Queen's Branch Docks, Liverpool.
1900. Woodhouse, William Bradley, Yorkshire Electric Power Co., Central Bank Chambers, Infirmary Street, Leeds.
1903. Woods, Harry, Kalline Tea Estate, Kalain P.O., Cachar, India.

1904. Woodward, Augustus, St. Mary's, Whitchurch Road, Cardiff.
1903. Wornum, John Ruskin, Otto Trechmann Ltd., Cement Works, Hartlepool.
1897. Worsley, Philip John, Jun., Messrs. Nettlefolds, Smethwick, Birmingham.
1895. Wort, Walter Edward, Claremont, Vicarage Road, Teddington.
1900. Wright, Ernest, The Willows, Harlesden, London, N.W.
1901. Wright, Frank, Works Department, H.M. Dockyard, Malta: (or 19 St. Charles Square, North Kensington, London, W.)
1903. Wright, George Alfred, 14 The Avenue, Erith, S.O., Kent.
1889. Wright, Howard Theophilus, The Maxim Works, Gillingham Street, Westminster, S.W.
1900. Wright, Isaac Henry, Technical Institute, Keighley; and 76 Spencer Street, Keighley.
1900. Wright, Richard Oliver, Henley's Telegraph Works, North Woolwich, London, E.
1898. Wrinch, Hugh Edward Hart, Engineer's Office, Chelsea Water Works, Surbiton.
1904. Wunderlich, Adolph, Cuyahoga, Mayfield Road, Sanderstead, Surrey.

1901. Yardley, William Henry, Messrs. Princeps and Co., Princeps Works, Matilda Street, Sheffield.
1904. Yates, Alfred Tufnell, 38 Sheen Park, Richmond, Surrey.
1903. Yates, Donald Russell Martin, Southern Mahratta Spinning and Weaving Co., Hubli, India.
1899. Yeames, James Lamb, Messrs. Workman, Yeames and Co., Ravenhill Avenue, Belfast.
1902. Yerbury, Harry Edward, Town Hall, Sheffield.
1903. Young, George Albert, Thames Iron Works, Shipbuilding and Engineering Co., Canning Town, London, E.
1899. Young, Henry John, Messrs. H. Young and Co., Nine Elms Iron Works, London, S.W.
1900. Young, Henry Wilson, 12 Camomile Street, London, E.C.
1901. Young, Horatio Edwin, Messrs. William Whiteley and Sons, Prospect Iron Works, Huddersfield; and 89 Lockwood Road, Huddersfield.
1899. Young, William, Engineer, London County Asylum, Sutton, Surrey.

ASSOCIATES.

[A. I. Mech. E.]

1900. Allen, Clarence Edgar, Gwydir Chambers, 104 High Holborn, London, W.C.

1880. Allen, William Edgar, Imperial Steel Works, Tinsley, Sheffield.

1881. Barcroft, Henry, The Glen, Newry, Co. Down.

1889. Barr, John, The Glenfield Engineering Works, Kilmarnock.

1898. Beanland, Fred, Messrs. Beanland, Perkin and Co., Leeds; and Bega, Harrogate.

1886. Bennison, William Clyburn, Messrs. Samuel Osborn and Co., Clyde Steel and Iron Works, Sheffield; and 12 Mayfield Road, Kersal, Manchester.

1892. Bowman, Frederic Hungerford, D.Sc., F.R.S.E., Spinningfield, Deansgate, Manchester.

1898. Brown, Ernest Frederick, General Manager, Petrolite Ltd., 66 Berners Street, London, W.; and John's Avenue, Hendon, London, N.W.

1888. Brown, Harold, Messrs. Linklater, Hackwood, Addison and Brown, 2 Bond Court, Walbrook, London, E.C.

1889. Castle, Frederick George, East London Technical College, People's Palace, Mile End Road, London, E.

1889. Chamberlain, John George, Messrs. Joseph Wright and Co., Neptune Forge, Tipton.

1902. Chandabhoy, Shapoorjee Nusserwanjee, Apollo Street, Fort, Bombay, India.

1888. Chrimes, Charles Edward, Messrs. Guest and Chrimes, Brass Works, Rotherham.

1890. Chubb, Richard, Messrs. Gillison and Chadwick, 10 Tower Buildings, Liverpool.

1892. Davis, George Brown, Westminster Sanitary Works, Prince's Mews, Prince's Street, Westminster, S.W.

1895. Docker, Frank Dudley, Messrs. Docker Brothers, Birmingham Varnish Works, Icknield Port Road, Birmingham [*Japan, Birmingham.* 3522.]; and The Gables, Kenilworth.

1899. Douglas, Loudon McQueen, Baltic Wharf Engineering Works, Putney, London, S.W. [*Ibidem, London.* 242 Battersea.]

1898. Dowlen, Walton Edward, Salisbury House, London Wall, London, E.C.

1900. Feather, Robert, Craven Bank Chambers, Bradford.

1891. Foster, George, Hecla Foundry Steel Works, Sheffield; and Lyme Villa, Rotherham.

1889. Golby, Frederick William, 36 Chancery Lane, London, W.C.

1900. Goodrich, Walter Francis, Messrs. Meldrum Brothers, 66 Victoria Street, Westminster, S.W.

1902. Grierson, Henry Forster, York House, Norfolk Street, Strand, London, W.C.

1887. Hind, Enoch, Edgar Rise, Nottingham.

1898. Howard, Charles, 65 Perrymead Street, Fulham, London, S.W.

1891. Jackman, Joseph, Persberg Steel Works, Pothouse Road, Attercliffe, Sheffield. [*Persberg, Sheffield.* 94.]

1884. Jackson, Edward, Midland Railway-Carriage and Wagon Works, Birmingham. [*Wagon, Birmingham.*]

1897. James, Albert Alfred, St. George's Works, Paradise Street, West Bromwich. [*James, Wireworks, West Bromwich.* 5014.]

1896. Kennan, Williams Thomas, Messrs. Kennan and Sons, Fishamble Street, Dublin. [*Kennans, Dublin.*]

1897. Kenway, William Edward, Messrs. A. B. Bowden and Co., 17 Burlington Chambers, New Street, Birmingham.

1896. King, Benjamin Thomas, 165 Queen Victoria Street, London, E.C. [*Geologic, London.* 682 Central.]

1898. Leechman, George Douglas, 51 Earl's Court Square, London, S.W.

1896. Lemkes, Carl Rudolf Lewin, Messrs. Schäffer and Budenberg, 5 Wellington Street, Glasgow. [*Injector, Glasgow.* Royal 3119.]

1900. Leonard, Robert Maynard, 19 Ludgate Hill, London, E.C. [*Iceglazed, London.* 3831 Central.]

1895. MacBrayne, Laurence, 119 Hope Street, Glasgow.

1886. Mackenzie, Keith Ronald, Vectis, Bembridge, Isle of Wight.

1898. Marshall, Percival, 26-29 Poppins Court, Fleet Street, London, E.C.

1868. Matthews, Thomas Bright, Messrs. Turton Brothers and Matthews, Phœnix Steel Works, Sheffield. [*Matthews, Sheffield.*]

1901. Mayhew, Mark James, Bolingbroke House, Battersea, London, S.W.

1889. McKinnel, William, 234A Nithsdale Road, Pollokshields, Glasgow.

1901. Mecredy, James, Wynberg, Blackrock, Dublin.

1890. Meggitt, Samuel Newton, Messrs. Ibbotson Brothers and Co., Globe Steel Works, Sheffield.

1898. Meintjes, Laurens Schmitz, P.O. Box 148, Cape Town, Cape Colony.

1902. Noyes, Edward, 109 Pitt Street, Sydney, New South Wales.

1900. Page, Davidge, Clun House, Surrey Street, Strand, London, W.C.; and Hotel Russell, Russell Square, London, W.C.

1874. Paget, Berkeley, Low Moor Iron Office, 2 Laurence Pountney Hill, Cannon Street, London, E.C. [*Gryphon, London.*]

1886. Peacock, William J. P., Wells Street, Oxford Street, London, W.; and 41 St. James' Street, London, S.W.

1888. Peake, Robert Cecil, Cumberland House, Redbourn, near St. Albans.

1887. Peech, Henry, Phœnix Bessemer Steel Works, near Sheffield; and 49 Victoria Street, Westminster, S.W.

1887. Peech, William Henry, Phœnix Bessemer Steel Works, near Sheffield; and Fernbank, Roehampton Park, London, S.W.

1884. Phillips, Richard Morgan (*Life Associate*), care of J. Griffin, 6 Algiers Road, Ladywell, London, S.E.

1891. Plant, George, Moseley Road School, Birmingham.

1897. Prior, James D., Eagle Range and Foundry Co., Catherine Street, Aston, Birmingham [*Ranges, Birmingham.* 2558.]; and Penlee, Chantry Road, Moseley, Birmingham.

1892. Reed, Ernest Charles, Raamsdonk, Holland.

1891. Rowcliffe, William Charles, 1 Bedford Row, London, W.C.

1899. Sachs, Edwin Otho, 3 Waterloo Place, Pall Mall, London, S.W.

1900. Salomons, Sir David Lionel Goldsmid-Stern, Bart., Broomhill, Tunbridge Wells; and 49 Grosvenor Street, London, W.

1887. Scott, Walter, Victoria Chambers, Grainger Street West, Newcastle-on-Tyne. [*Contractor, Newcastle-on-Tyne.*]

1893. Simpson, Edward Percy, Messrs. Simpson and Co., 101 Grosvenor Road, Pimlico, London, S.W.

1891. Spencer, Francis Henry, Bonanza Co., P.O. Box 1338, Johannesburg, Transvaal, South Africa.

1897. Starley, William, Queen Victoria Road, Coventry. [*Salvo, Coventry.* 72.]

1892. Stead, John Edward, F.R.S., 11 Queen's Terrace, Middlesbrough. [*Stead, Middlesbrough.*]

1896. Taylor, Joseph Henry, 9 and 11 Fenchurch Avenue, London, E.C. [*Tyne, London,* Avenue 4108.]

1887. Tozer, Edward Sanderson, Phœnix Bessemer Steel Works, near Sheffield.

1893. Wadham, Arthur, Wardrobe Chambers, 146A Queen Victoria Street, London, E.C. [*Wadham, London.*]

1897. Wallach, Lewis Charles, 57 Gracechurch Street, London, E.C. [*Hammerman, London.*]

1898. Warner, Ashby William, Norton, Stockton-on-Tees.

1899. Waterlow, David Sydney, 38 Cornwall Gardens, London, S.W.

1883. Williamson, Robert S., Cannock and Rugeley Collieries, Hednesford, near Stafford.

1891. Wiseman, Edmund, Messrs. Edmund Wiseman and Co., Silver Street, Luton; and Uplands, London Road, Luton. [*Wiseman, Luton.*]

1897. Wood, William Alfred, Messrs. Wood and Newland, 42 Spring Gardens, Manchester. [*Certificate, Manchester.*]

1899. Young, John Drummond, Managing Director, Scottish Boiler Insurance Co., 111 Union Street, Glasgow. [*Inspector, Glasgow.* 1271.]

GRADUATES.

[G. I. Mech. E.]

1903. Adam, Benjamin, Jun., North Eastern Railway, Dock Engineer's Department, Dock Office, Hull.

1885. Addis, Frederick Henry, care of Messrs. Grindlay Groom and Co., Bombay, India.

1903. Aldridge, Lionel Shuttlewood, Lynton, Acocks Green, Birmingham.

1902. Allensby, Charles Reed, Messrs. Benham and Sons, Wigmore Street, London, W.

1904. Amy, Philip Alfred, 2 Blenheim Road, Gunnersbury, Chiswick, London, W.

1905. Armstrong, Andrew Robert Barry, Hollywood, Carrickmines, co. Dublin.

1903. Aston, Reginald Godfrey, Kilworthy, Poole.

1904. Atkins, Arthur Henry, 68 Copenhagen Road, New Brompton, R.S.O., Kent.

1902. Atkinson, Reginald Charles, Lyndhurst, Kennet Road, Newbury.

1890. Aubin, Percy Adrian, 29 St. James' Street, St. Helier's, Jersey.

1904. Aykroyd, John Kenneth, Durlston, Corfton Road, Ealing, London, W.

1902. Bacon, Ernest Leslie, 60 Charles Road, Small Heath, Birmingham.

1903. Baker, Arthur, 20 Mirabel Road, Dawes Road, Fulham, London, S.W.

1902. Baker, Edward, Brinsworth Iron Works, Rotherham.

1901. Barnwell, Eliott Arthur, 10 Nicosia Road, Wandsworth Common, London, S.W.

1889. Barrow, Arthur Robert Maclean, North Saanich, British Columbia: (or care of Mrs. Barrow, Holly Grove, Fittleworth, Pulborough.)

1901. Barrs, Edward, South Wales Electric Power Co., Cwmbran, Mon.

1904. Barry, Arthur Paul, Home Place, Limpsfield, S.O., Surrey.

1902. Barry, Lawrence Cater, 4 Granville Park, Blackheath, London, S.E.

1902. Barton, Geoffrey Berkley, Locomotive Department, Southern Mahratta Railway, Hotgi, Deccan, India.

1904. Basta, Habeeb, Messrs. Robey and Co., Globe Iron Works, Lincoln.

1902. Bate, Ernest Montagu, Council Offices, Frinton-on-Sea, Essex.

1903. Bates, Herbert Henry, 116 Lea Street, Kidderminster.

1900. Bazin, John Ralph, Great Northern Railway Works, Doncaster.

1903. Beale, Samuel Richard, 32 Holland Park, London, W.
1901. Beckett, Joseph Edge, Tapton House, Sheffield.
1884. Bell, Robert Arthur, 106 Worple Road, Wimbledon.
1902. Bennett, Francis Edgar, Messrs. Bennett, Sons and Shears, 167 Kingsland Road, London, N.E.
1902. Bennett, Henry Benjamin, 33 Chesilton Road, Fulham, London, S.W.
1901. Bennett-Powell, Percival Gordon, Normanhyrst, Harlesden, London, N.W.
1902. Bexon, Ralph Amos, Ebenezer House, Basford, Nottingham.
1902. Billinton, Percy Robert, 3 Bulganak Road, Thornton Heath, Surrey.
1903. Blackmore, William Robert, Juan Bannister Sucesores, Callejon de Sta. Clara 9, Esquina del 5 de Mayo, Mexico.
1904. Bloomfield, Charles William, Woolwich Electricity Works, Plumstead.
1900. Boreham, George Henry, Chelsea Electricity Supply Co., 12 Alpha Place, Flood Street, Chelsea, London, S.W.
1902. Boult, Eric Francis, Messrs. Boult and Bradley, 111 Hatton Garden, London, E.C.
1901. Bowen, Charles William, 13 Hyde Gardens, Eastbourne.
1901. Bowman, Harold Edelsten, Messrs. Stevenson and Co., Canal Foundry, Preston.
1904. Boycott, Thomas Archibald, Wolseley Tool and Motor Car Co., Adderley Park, Birmingham.
1899. Bradley, Cecil Gustav, Town Hall, Barrow-in-Furness.
1903. Brand, William Deane, Messrs. John Mowlem and Co., Victoria Station Improvements, London, S.W.
1887. Bremner, Bruce Laing, Assistant Locomotive Superintendent, Uganda Railway, Mombasa: (or care of Mrs. Bremner, Streatham, Canaan Lane, Edinburgh.)
1902. Brewster, Harold John, 11 Humphrey Street, Old Trafford, Manchester.
1904. Briggs, Richard John Percival, care of W. G. Walker, 47 Victoria Street, Westminster, S.W.
1903. Britton, Lieut. Edwin John James, A.O.D., Inspector of Ordnance Machinery, Ordnance Offices, Gibraltar.
1903. Brock, Denis Tabor, Kenmare Cottage, St. Mary's Road, Ealing, London, W.
1904. Brockley, Carl Wilton, Messrs. S. Pearson and Son, 10 Victoria Street, Westminster, S.W.
1900. Broughton, Harold, 69 Edburton Avenue, Brighton.
1890. Brousson, Robert Percy, Great Northern and City Railway Contract, Poole Street, New North Road, London, N.
1902. Brunton, John Evelyn Cardet, Messrs. George Brunton and Son, Cochin, Malabar Coast, India.

1903. Bulkeley, George Vicary Owen, Drawing Office, Great Western Railway Works, Wolverhampton.
1901. Bulleid, Oliver Vaughan Pugh, 114 Carr House Road, Hyde Park, Doncaster.
1903. Burdock, Arthur, Milford, Godalming.
1903. Burge, Rodon Ludford, 29 Milton Road, Swindon.
1903. Burrell, Charles William Wilberforce, Messrs. Charles Burrell and Sons, St. Nicholas Works, Thetford.
1901. Burton, Charles Kingsley, Dock Engineer's Office, Middleton Road, West Hartlepool.
1904. Bussey, Lionel Ernest, 65 Sandmere Road, Clapham, London, S.W.

1900. Calvi, Alberto Ulisse, Cairo, Egypt.
1903. Campbell, Charles Graham, 10 Edith Road, West Kensington, London, S.W.
1903. Carr-Gomm, Mark Culling, 11 Campden House Chambers, Kensington, London, W.
1902. Carrick, Joseph Ernest Cecil, 201 Coatsworth Road, Gateshead.
1904. Carter, Ernest, Nedeem Tea Co., Chengmari Division, Jalpaigure, Dooars, India.
1890. Carthew-Wright, William, Dulce Domum, School Street, Charters Towers, Queensland.
1891. Caswell, Charles Henry, 75 Mount Pleasant, Barrow-in-Furness.
1902. Chabot, Vincent Howard, Engineer's Office, South Indian Railway, Trichinopoly, India.
1902. Chambers, Edward Haward, 25 Parkdale, Wolverhampton.
1902. Chatfield, Kyrle Rudston, 60 Charles Road, Small Heath, Birmingham.
1903. Cheeseman, Alfred Bryson East, 109 Gordon Road, Stroud, Rochester.
1904. Child, Percy Douglas, 33 Burrell Road, Ipswich.
1903. Chowdry, Krishna Chandrah Roy, care of Messrs. W. Hutchinson and Co., Trafalgar Buildings, Northumberland Avenue, London, W.C.
1900. Chubb, Harry Emory, Burlingham, Chislehurst.
1905. Church, Herbert John, 22 Knowle Road, Bristol.
1904. Chute, Mervyn Lyde, Central South African Railways, Pretoria, Transvaal, South Africa.
1902. Chyn, care of Chow Phya Surawongse, Klong Ban Somdet, Bangkok, Siam.
1900. Clapham, Thomas Alborn, Messrs. Clapham Brothers, Wellington Foundry, Keighley.
1902. Clark, Robert George, 18 Hendy Street, Roath Park, Cardiff.
1902. Clarke, Athol Wilfrid, Hazelmere, City Road, Birmingham.
1901. Cliff, Thomas Percy Barlow, Admiralty, 21 Northumberland Avenue, London, W.C.

1902. Clifford, Arthur Campbell, 6 Cranley Gardens, South Kensington, London, S.W.

1903. Cobbald, Thomas Ernest, Messrs. Charles Burrell and Sons, St. Nicholas Works, Thetford.

1904. Colley, Robert William, 11 Gibbons Road, Bedford.

1892. Collingridge, Harvey, Messrs. S. Pearson and Son, Blackwall Tunnel Works, East Greenwich, London, S.E.; and 73 Grove Road, Wanstead, London, N.E.

1889. Cook, George Norcliffe, Sydney, New South Wales.

1903. Cook, John, 33 Winnington Lane, Northwich.

1900. Cooke, Stanley Walter, R.N., H.M.S. "Queen," Mediterranean Fleet.

1901. Cooper, George Seton Halcott, Mount Pleasant, East Dereham.

1902. Cooper, Jasper Edwin, Ronsay, Darwin Road, Southampton.

1904. Cotesworth, Cuthbert Gilfillan, B. B. and C. I. Railway, Ajmere, Rajputana, India.

1899. Cotton, George Burchell, Corporation Waterworks Offices, 67 Long Street, Cape Town, Cape Colony.

1902. Cox, Lionel Maidstone Russell, The Old Bank, Rugby.

1900. Creswell, Francis Samuel, Engineer's Office, Great Western Railway, Paddington, London, W.

1904. Cryer, James Wilfred, 32 Albert Road, Farnworth, Bolton.

1903. Cutler, George Benjamin, Jun., Messrs. Samuel Cutler and Sons, Providence Iron Works, Millwall, London, E.

1903. Davies, Cyril Ernest, 31 Ashburnham Road, Bedford.

1903. Davis, Frank, Locomotive Department, Great Northern Railway, King's Cross, London, N.

1901. Davson, Cyril Were, 42 Lansdowne Crescent, Notting Hill, London, W.

1903. Dempsey, Gerald, Messrs. Vickers, Sons and Maxim, 32 Victoria Street, Westminster, S.W.

1904. Denman, John Percy, Overstrand, Brambledown Road, Wallington, Surrey.

1902. Devin, Ernest Hurley, Messrs. C. Richardson and Co., 65 Imperial Buildings, Ludgate Circus, London, E.C.

1898. Dickinson, John Gilbert, Public Offices, Egremont, Cheshire.

1884. Dixon, John, 111 Warton Street, Lytham.

1902. Dodridge, Albert Edwin, 13 Sterndale Road, Hammersmith, London, W.

1899. Drayton, Theophilus James Bradley, Penwerris, Alexandra Road, Upper Norwood, London, S.E.

1903. Duff, Philip John, care of J. McAra, 37 Derby Street, Glasgow.

1891. Duncan, Martin Gordon, Lexden, 63 Elmfield Road, Upper Tooting, London, S.W.

1903. Dunell, Basil, Finsbury Technical College, Leonard Street, City Road, London, E.C.

1905. Edwards, Cecil Cleeve, care of W. Cleeve Edwards, Public Works Department, Cape Town, Cape Colony.

1900. Edwards, John, Messrs. Hughes and Lancaster, 7 Largo do Viriato, Oporto, Portugal.

1904. Ellington, Noel Bayzand, 69 Holland Park Avenue, London, W.

1901. Ellis, Rhodes Herbert, care of Tweeddale, 230 Calder Street, Govanhill, Glasgow.

1901. Emerson, William Alexandra Ingilby, Locomotive Department, Great Northern Railway, Doncaster.

1904. Engert, Fredrick Percy, Penrose, Sandycombe Road, St. Margarets, London, S.W.

1904. Engholm, Frank Goldie, 50 Kimberley Road, Clapham, London, S.W.

1900. Eugster, Oscar, Barnsbury Works, Barnsbury Street, London, N.

1903. Evans, Cyril Austin, Selborne, Byfleet, Weybridge.

1904. Everington, Charles Gordon, Merton House, Dulwich Wood Park, Norwood, London, S.E.

1900. Falconer, Edward Alaric, 40 New Park Street, Devizes.

1903. Farlow, Charles Fitzroy, Messrs. H. Lygoe and Son, 33 Marchmont Street, Russell Square, London, W.C.

1901. Faulkner, Francis Claude, 17 Drayton Gardens, West Brompton, London, S.W.

1902. Fawkes, Rupert Edward Francis, Lancashire and Yorkshire Railway, Generating Station, Formby, Liverpool.

1904. Feeny, Cyril Joseph, 60 Queen Victoria Street, London, E.C.

1903. Ferrier, Samuel Key, Finsbury Technical College, Leonard Street, City Road, London, E.C.

1902. Fife, Frank Gordon, 36 Leazes Terrace, Newcastle-on-Tyne.

1904. Fitzgerald, William Alfred, Lynwood, Hampton Wick, Middlesex.

1904. Fletcher, Donald Corbet, Locomotive Department, Great Northern Railway, King's Cross, London, N.

1904. Foote, Thomas Dickson, Gambles House, Antigua, West Indies.

1903. Foster, Edgar, 35 West Avenue, Derby.

1902. Fox, Francis Henry Wright, Alyn Bank, Wimbledon.

1902. Frankau, George Neuberg, 9 Lancaster Road, Hampstead, London, N.W.

1904. Fraser, Stafford Robert Charles, Elmfield, Half Moon Lane, Herne Hill, London, S.E.

1901. Freeman, Bryn, Ynysmeudwy Tin Plate Co., Ynysmudw, R.S.O., Glam.

1901. Frisby, Archie George, West Yard, Taff Vale Railway Works, Cardiff.

1903. Fry, William Ellerton Ryan, Locomotive Department, Cape Government Railways, Salt River, near Cape Town, Cape Colony.
1902. Funnell, Herbert Nicholas, 54 Aytoun Road, Stockwell, London, S.W.
1904. Fyffe, Andrew Morton, Corporation Gas Works, Dundee.

1899. Gandon, Philip George, Werneth Chambers, 29 Princess Street, Manchester.
1901. Gard, George Richard, West Yard, Taff Vale Railway Works, Cardiff.
1901. Gauvain, William Percival, Messrs. Hathorn, Davey and Co., Sun Foundry, Leeds.
1902. George, Albert James, Lynn Cottage, Dighton Road, Wandsworth, London, S.W.
1903. Gibbons, Norman Barrington, Motive Power Offices, Canadian Pacific Railway, Montreal, Canada.
1904. Gimson, Harold, Messrs. Gimson and Co., Engine Works, Vulcan Road, Leicester.
1899. Goodman, Frank Adolphus, City Hydraulic Engineer's Office, Cape Town, Cape Colony.
1901. Gough, Percy Edwin, Restholme, Millbrook Road, Dinas Powis, Cardiff.
1903. Grant, William, Jun., care of Messrs. McKay and Adam, Prince Albert, Sascatchewan, Canada.
1903. Graves, Lionel Percival, care of W. G. Walker, 47 Victoria Street, Westminster, S.W.
1901. Greenwood, Frederick George, 32 Russell Square, London, W.C.
1902. Gregory, Herbert George, Wood Dene, Leatherhead.
1903. Griggs, John William, Chelsea Electricity Supply Co., Alpha Place, Chelsea, London, S.W.
1904. Gullick, Harry Douglas, 28 Grange Terrace, Chapeltown Road, Leeds.

1903. Haggard, Percy Lester, Onega Lodge, Bath.
1904. Hamilton, Archibald Gilbert, Burma Railways Co., Rangoon, British Burma, India.
1902. Hamilton, Gavin James, Messrs. Wilson Sons and Co., Rio de Janeiro, Brazil.
1904. Hamilton, Henry Edward Redmond, Essex House, Barnes, London, S.W.
1903. Harliss, William Lewis, The Gables, Skirbeck, Boston.
1902. Harman, Frederick Berkeley Bruce, 92 Langside Avenue, Glasgow.
1904. Harris, Albert Edward, Messrs. Thomas Robinson and Son, 59 Mark Lane, London, E.C.
1904. Harris, Henry Lionel, Messrs. Bramwell and Harris, 5 Great George Street, Westminster, S.W.

1904. Harris, John Edward, Messrs. John Summers and Sons, Hawarden Bridge Iron Works, near Chester.

1904. Harrow, Thomas William, Cambrian Railway Works, Oswestry.

1901. Haslam, Sidney Bertram, Highfield, Romilly Road, Cardiff.

1904. Haswell, John Frederick, Messrs. Hughes and Lancaster, Acrefair, Ruabon.

1902. Hatfield, Kenneth George Stacy, 10 Tavistock Square, London, W.C.

1902. Hatton, Robert Andrew, 50 Carnarvon Road, Stratford, London, E.

1903. Hawkins, Eustace Fellowes, Locomotive Department, Great Northern Railway, Doncaster.

1902. Hawkins, John Charles, Sand River P.O., Elands River, Uitenhage, Cape Colony.

1901. Hayes, Herbert Charles, Messrs. Rosser and Russell, 22 Charing Cross, London, S.W.

1901. Head, Walter George, 58 Lillieshall Road, Clapham, London, S.W.

1903. Headley, Hallowell, Crown Agents Office, Whitehall Gardens, London, S.W.

1902. Heald, Harry, Hawthorn Cottage, Accrington.

1902. Heard, Frederick George, 43 Granville Road, Stroud Green, London, N.

1904. Heathcote, Edgar Horace, Messrs. Charles Heathcote and Sons, 64 Cross Street, Manchester.

1877. Heaton, Arthur, Messrs. Heaton and Dugard, Metal and Wire Works, Shadwell Street, Birmingham. [*Heagard, Birmingham.*]

1902. Hess, Adolphus Charles, Avion Tin Mines, Carballino, Prov. de Orense, Spain.

1901. Hibberd, Frederick Charles, Carriage and Wagon Department, Lancashire and Yorkshire Railway, Newton Heath, Manchester.

1903. Hilditch, George Walls, Home Park, Uxbridge Road, Kingston-on-Thames.

1900. Hill, Walter Hereward, Messrs. Howarth, Erskine and Co., Bangkok, Siam.

1905. Hillhouse, John Paton, St. Valerie, Calthorpe Road, Edgbaston, Birmingham.

1904. Hodgson, Harold Cecil, Mansion House Chambers, 20 Bucklersbury, London, E.C.

1903. Hodgson, Herbert Edward, South Western Polytechnic, Manresa Road, Chelsea, London, S.W.

1891. Hodgson, William James, Messrs. Hodgson and Hodgson, Central Chemical Works, Nottingham.

1904. Hodgson-Stevens, Antonio Rodovalho, 61 Beulah Hill, Upper Norwood, London, S.E.

1903. Hodson, Reginald Cecil, care of William Hodson, 7 Finsbury Square, London, E.C.

1887. Hogg, William, Messrs. Gates and Hogg, Barmborough, Doncaster.
1902. Holden, Percy, 93 High Street, Eton, Windsor.
1901. Hollingsworth, Bertram, British Insulated and Helsby Cables, Prescot.
1903. Holmes, George Nelson, Clifton, Egremont Promenade, Cheshire.
1903. Holthouse, Charles Scrafton, 26 Hillside Gardens, Highgate, London, N.
1898. Homan, Brees van, Messrs. Homan and Rodgers, 17 Gracechurch Street, London, E.C.
1900. Horsfield, Percy Firth, Messrs. J. and J. Horsfield, Vulcan Iron Works, Dewsbury.
1901. Horsnell, Thomas, 79 Farringdon Road, London, E.C.
1889. Hosgood, Thomas Watkin, Eaton Grove, Swansea.
1904. Hour, Robert, Messrs. Albert Sauvée and Co., Union Works, 60 Park Street, Southwark, London, S.E.
1889. Howard, Geoffrey, Britannia Iron Works, Bedford.
1883. Howard, Harry James, Messrs. Colman's Mustard Mills, Carrow Works, Norwich.
1903. Howard, Percy, Wynford Lodge, Erith, S.O., Kent.
1901. Howl, Frederick William, Thames Iron Works, H.M. Dockyard Extension, Gibraltar.
1903. Hughes, Arthur Mumford, Messrs. F. A. Hughes and Co., Providence Wharf, East Greenwich, London, S.E.
1891. Hughes, Edward Sinclair Bremner, 69 Thurlow Park Road, West Dulwich, London, S.E.
1903. Hughes, Frederick, Waterworks Engineer's Office, Town Hall, Cardiff.
1904. Hughes, Frederick Peter, University College, Gower Street, London, W.C.
1904. Hughes, William Clare, 54 Cranley Gardens, South Kensington, London, S.W.
1900. Hunton, William, St. Cuthberts, Bath.
1901. Hurst, Joseph Henry, Rhondda, Manor Road, Rugby.
1902. Hutchinson, Wilfred Leavold, 4 Vanbrugh Park, Blackheath, London, S.E.
1904. Hyne, Harry Everett, Cromwell House, Mount Pleasant, Swansea.

1902. Inchley, William, 46 Harrowby Road, Grantham.
1902. Ironside, Percy Humphrey, 7 Belmont Grove, Lee, London, S.E.

1902. Jantzen, Paul Hermann Hudden, Messrs. Siemens Bros. and Co., Stafford.
1901. Jenkins, Edgar Jackson, Messrs. R. Jenkins and Co., Masboro Boiler Works, Rotherham.
1902. Jepson, George Frederic, 8 Bristol Street, Hulme, Manchester.

1904. Jervis, Beresford Clayton, 9 Derrington Street, Edleston Road, Crewe.
1903. Jones, Stinton James, 2 Noble Street, Falcon Square, London, E.C.
1905. Jopling, Arthur, Messrs. Priestman Power Co., Blaydon-on-Tyne.
1891. Jordan, Frederic William, Messrs. W. Jordan and Sons, 349 Euston Road, London, N.W.

1904. Kann, John Hugo Conway, University College, Gower Street, London, W.C.
1904. Kato, Shikanosuke, 9 Hawthorn Street, Newcastle-on-Tyne.
1904. Kendall, Alfred Harold, Messrs. Crabtree and Co., Great Yarmouth.
1904. King, Horace Henry, Automatic Gem and Gold Separator Syndicate, 10 St. Swithin's Lane, London, E.C.
1902. Kirlew, Richard Leopold, Jun., 33 Hardwick Road, Palmer's Green, London, N.
1903. Knowles, Guy John Fenton, Park Lodge, Albert Gate, Hyde Park, London, S.W.
1903. Knowles, Thornton, 21 Benthal Road, Stoke Newington, London, N.

1902. Laird, Andrew Oswald, Engineer's Office, Millwall Dock, London, E.
1902. Laird, Stanley Morrison, Courtney House, Humber Road, Westcombe Park, Blackheath, London, S.E.
1901. Laubach, Philip Alfred, 26 West End Lane, Kilburn, London, N.W.
1904. Launay, Gaston de, 688 De Montigny, Montreal, Canada.
1904. Law, Horace Cecil, 25 Portland Road, Edgbaston, Birmingham.
1900. Lee, Walter, 38 Worple Road, Wimbledon.
1904. Lester, William Henry, Engineer's Department, Town Hall, Wolverhampton.
1886. Lewis, William Thomas Watkin, Engineer's Office, Bute Docks, Cardiff; and Eastbrook Hall, Dinas Powis, Cardiff.
1903. Lidbetter, Charles Frederick, 59 Carleton Road, Tufnell Park, London, N.
1903. Li Foki, 76 Humboldt Strasse, Düsseldorf, Germany.
1902. Lightfoot, Kenneth, Yorkshire College, Leeds.
1904. Lloyd, George Wilmot, care of Mrs. Bell, 480 Springburn Road, Glasgow.
1904. Lloyd, William Edward, Municipal Offices, Tuns Gate, Guildford.
1903. Lloyd-Parton, Fred, 30 Riches Street, Wolverhampton.
1899. Lowsley, Sydney Evan, Municipal Offices, Harrogate.

1904. MacCallum, Andrew Humphrey, Finsbury Technical College, Leonard Street, City Road, London, E.C.
1903. Macdonald, Ian, Stirling's Motor Carriages, Granton, Edinburgh.
1903. Macgregor, Alexander John, 117 Victoria Road, Old Charlton, Kent.

1903. Malden, Herbert John, 4 Hamilton Terrace, Brighton.
1904. Malthouse, James William, 114 Cregoe Street, Birmingham.
1904. Malthus, Robert, Dalton Hill, Albury, Guildford.
1905. Manfield, Walter Guy, 3 School Street, Weymouth.
1904. Manisty, Henry Scott, Mount Pleasant, Kingsbury, London, N.W.
1899. Mansfield, Oliver, Messrs. Edwin Mansfield and Sons, Royapuram, Madras, India. [*Mansfield, Madras.*]
1904. Marsh, Harry Evelyn, American Locomotive Co., Schenectady, New York, United States.
1904. Marshall, Albert Edward, Messrs. Redpath, Brown and Co., Riverside Works, East Greenwich, London, S.E.
1902. Mason, Charles Lyall, Carriage Department, London and North Western Railway, Wolverton, R.S.O., Bucks.
1886. Mattos, Alvaro Gomes de, 98 Rua da Sande, Rio de Janeiro, Brazil: (or care of Messrs. Fry Miers and Co., Suffolk House, 5 Laurence Pountney Hill, London, E.C.)
1902. Maw, Arthur Ernest, 18 Addison Road, Kensington, London, W.
1901. Maw, Thomas Frederick, 18 Addison Road, Kensington, London, W.
1905. McDonald, Neil, Messrs. Topham Jones and Railton, New Bute Dock, Cardiff.
1901. Merrett, John Alfred, Messrs. Joseph Nathan and Co., Wellington, New Zealand.
1904. Merriman, George William Steward, Locomotive Department, Great Eastern Railway, Stratford, London, E.
1904. Mesia, Fernando Guillermo, School of Practical Engineering, Crystal Palace, Sydenham, London, S.E.
1903. Millett, Charles Walter, Automatic Gem and Gold Separator Syndicate, 10 St. Swithin's Lane, London, E.C.
1904. Millington, William Ernest Wyatt, 91 Bath Street, Rugby.
1903. Minett, Albert Ernest Sculthorpe, Central Technical College, Exhibition Road, South Kensington, London, S.W.
1900. Minors, Ernest, City Engineer's Office, Guildhall, Worcester.
1902. Mitchell, William George, Ingledene, Windsor.
1903. Mobbs, Herbert, Pytchley Autocar Co., Bradshaw Street, Northampton.
1903. Moore, Francis Charles, 103 Gower Street, London, W.C.
1902. Morgan, Henry Frederick Stanley, Stoke Lacy Rectory, Bromyard, Worcester.
1902. Morgan, William Henry, 9 Chatsworth Road, Croydon.
1902. Morris, Cyril Clarke Boville, Locomotive Department, Great Eastern Railway, Ipswich.
1903. Morris, William Edward, Fuller House, Ponders End.
1892. Murray, David James, 10 St. Bees Street, C.-on-M., Manchester.

1904. Nash, Henry Algernon Fraser, Finsbury Technical College, Leonard Street, City Road, London, E.C.

1901. Nevill, Stanley Sharp, 11 St. Mary's Road, Canonbury, London, N.

1903. Newill, George Ernest, 48 Wheeleys Road, Edgbaston, Birmingham.

1901. Newman, Kenneth Charles Horton, The Electric Light Co., Hong Kong, China.

1900. Newton, George Henry, Electric and Ordnance Accessories Co., Cheston Road, Aston, Birmingham.

1905. Norrish, Hugh Roper Barrett, Hawley House, Tudor Road, Upper Norwood, London, S.E.

1902. Nicholson, Edward, 39 Mayfield Road, Alexandra Park, Manchester.

1904. Northcott, Henry Hans Macfarlane, General Engine and Boiler Co., Hatcham Iron Works, Pomeroy Street, New Cross Road, London, S.E.

1899. Nutter, Harold Norman, Messrs. William Aykroyd and Sons, Oakwood Dye Works, Bradford,

1902. Nutton, Harry, Electrical Department, Borough Road Polytechnic, London, S.E.

1903. Ogg, Easton Lewis, Aboyne, Honor Oak Road, Forest Hill, London, S.E.

1883. Osborn, William Fawcett, Messrs. Samuel Osborn and Co., Clyde Steel and Iron Works, Sheffield.

1904. Owen, Edward Hughes, Messrs. R. and W. Hawthorn, Leslie and Co., St. Peter's Works, Newcastle-on-Tyne.

1904. Owen, Halsall, Messrs. Monks, Hall and Co., Warrington.

1900. Parlby, Valentine, 374 Goldhawk Road, Chiswick, London, W.

1902. Parratt, Herbert Edwin, Messrs. McOnie, Harvey Co., Scotland Street, Engine Works, Glasgow.

1902. Paul, Sydney Frank, Royal College of Science, Exhibition Road, South Kensington, London, S.W.

1901. Peacock, Jesse Butler, Messrs. Willcox and Raikes, 63 Temple Row, Birmingham.

1901. Peake, Ashley Crosthwaite, 46 Mount View Road, Stroud Green, London, N.

1904. Peam, Ferdinand, Messrs. Siemens Brothers and Co., Stafford.

1899. Pearson, Charles Dearne, Shanghai Water Works, Shanghai, China.

1903. Pellow, James Richards, Locomotive Department, London and South Western Railway, Nine Elms, London, S.W.

1902. Penn, Bertram Harley, 100 York Mansions, Battersea Park, London, S.W.

1901. Penn, Reginald William, 100 York Mansions, Battersea Park, London, S.W.

1904. Percy, Harry Leonard, Corporation Electricity Works, Chatsworth Road, Chesterfield.

1904. Perrott, William, care of James Johnson, Nelson Place, Cork. [*Motors, Cork.*]

1900. Perry, Edgar William Frank, 368 London Road, Thornton Heath, Surrey.

1902. Petrie, Percival, 25 Bridge Road West, Battersea, London, S.W.

1890. Philipson, John, Messrs. Atkinson and Philipson, 27 Pilgrim Street, Newcastle-on-Tyne. [*Carriage, Newcastle-on-Tyne.* 1641.]

1884. Philipson, William, Messrs. Atkinson and Philipson, 27 Pilgrim Street, Newcastle-on-Tyne. [*Carriage, Newcastle-on-Tyne.* 1641.]

1903. Pickett, Henry Arthur, Electric Construction Co., Wolverhampton.

1901. Pickles, Thomas Sykes, 104 Greenbank Road, Rochdale.

1902. Pimm, Arthur Watson, Gatley, Lingfield Avenue, Kingston-on-Thames.

1902. Pink, Edward Sidney, care of Mr. Townend, Harlington, Doncaster.

1903. Piper, George Edmund, 81 South View Terrace, Plymouth.

1900. Plante, Stanley Gedge, 5 Harsnett Road, Colchester.

1903. Poignand, Francis Nesbitt, Hereward House, Littleport, Ely.

1903. Porter, Geoffrey, 10 Vanbrugh Park, Blackheath, London, S.E.

1902. Powell, Henry, Messrs. Rose Brothers, Albion Works, Gainsborough.

1902. Pratchitt, William Monkhouse, Messrs. Pratchitt Brothers, Denton Iron Works, Carlisle.

1898. Preen, Arthur Harvey, 181 Foleshill Road, Coventry.

1901. Prevôst, Alfred Thomas, 28 Thames Street, Kingston-on-Thames.

1903. Price-Williams, Douglass, 18 Chandos Road, Willesden Green, London, N.W.

1904. Priestley, Albert, Messrs. Drakes, Ovenden, Halifax.

1904. Prosser, Nathaniel Littler, 91 Bath Street, Rugby.

1904. Pudsey, Fawcett, Messrs. Rose, Downs and Thompson, Hull.

1904. Pursey, Herbert Stanley, Wakefield and District Light Railway, Belle Isle, Wakefield.

1904. Purves, Percival Francis, School of Practical Engineering, Crystal Palace, Sydenham, London, S.E.

1902. Radley, Willie John Peace, 83 Haley Hill, Halifax.

1892. Ransom, Herbert [Byrom, Messrs. Manlove Alliott and Co., 41 and 42 Parliament Street, Westminster, S.W.

1902. Ravenshear, Albert Edward, 2 Berwick Street, Oxford Street, London, W.

1902. Reeve, Edward, Wolseley Tool and Motor Car Co., Adderley Park, Birmingham.

1884. Reynolds, Thomas Blair, 28 Victoria Street, Westminster, S.W.
1904. Rich, Sidney Cresswell Gaylor, 13 Cope Street, Coventry.
1900. Richards, James Garfield, Locomotive Works, London and South Western Railway, Nine Elms, London, S.W.
1902. Richards, Percy, Dunkeld, The Avenue, Beckenham.
1903. Richards, Samuel Hope, Electrical Standards Laboratory, Board of Trade, 8 Richmond Terrace, Whitehall, London, S.W.
1904. Richardson, John Stocks, East Parade Chambers, Leeds.
1904. Rickie, James Hepburn, Manor House, Newnham-on-Severn, Glos.
1903. Roberts, Edwin Gilbert Llewellyn, Park Lodge, Eltham, Kent.
1902. Roberts, George Robert Wesley, 22 Albany Road, Cardiff.
1904. Roberts, Robert James, care of W. G. Walker, 47 Victoria Street, Westminster, S.W.
1902. Roberts, Walter Slingsby, Messrs. Davey, Paxman and Co., Standard Iron Works, Colchester.
1900. Robertson, Walter Henry Antonio, Messrs. Elliott's Metal Co., Selly Oak Works, Birmingham.
1903. Roose, FitzRoy Owen Jonathan, Corporation Electricity Works, Bournemouth.
1897. Rootham, Howard Melville, 12 Well Walk, Hampstead, London, N.W.
1901. Rouse, Frederick Robert Charles, 204 Kentish Town Road, London, N.W.
1888. Rümmele, Alfredo, 3 Foro Bonaparte, Milan, Italy.

1904. Sanders, Percy Alan, General Electric Co., Schenectady, New York, United States.
1904. Saunders, Charles Henry Stanley, London and South Western Railway, Wimbledon.
1902. Saxby-Thomas, Humbert George, care of Mrs. Pollock, 3 Royal Terrace, Springburn, Glasgow.
1890. Saxelby, Herbert Raffaelle, Messrs. Riley, Hargreaves and Co., Singapore, Straits Settlements.
1903. Saye, Kenneth Noel, Electricity Works, Sutton, Surrey.
1903. Saynor, Leonard Henderson, 95 Wightman Road, Harringay, London, N.
1902. Schultz, George Christopher, The Firs, Northwood, R.S.O., Middlesex.
1902. Scorer, Arthur Bruce, Coombe Hurst, Lincoln.
1881. Scott, Ernest, Messrs. Ernest Scott and Mountain, Close Works, Newcastle-on-Tyne. [*Esco, Newcastle-on-Tyne.* 1259.]
1903. Seager, Francis Percy, Sheffield Corporation Electricity Works, Commercial Street, Sheffield.
1901. Senior, George, 144 Eastgate, Rochester.

1898. Sharp, William, 157 Dirkhill Road, Bradford.
1901. Sharpley, Reginald, 111 Iverna Court, Kensington, London, W.
1902. Shaw, William Calvert, Albert Works, Lockwood, Huddersfield.
1903. Shelmerdine, Eric Dean Saatweber, Central Electricity Station, Longford Bridge, Stretford, Manchester.
1892. Shepherd, James Horace, Great Western Railway, Swindon; and 10 Gloucester Street, Swindon.
1902. Shimmin, George Featherstone, 26 Ellenborough Place, Maryport.
1903. Shirreff, James Arthur, 83 Amesbury Avenue, Streatham Hill, London, S.W.
1904. Simmonds, George Carlyle, Athol House, 101 Balham Park Road, London, S.W.
1902. Sington, Leonard Francis Symons, 44 St. Mary's Mansions, Paddington, London, W.
1903. Smart, David Howard St. Barbe, 108 Grange Road, Bermondsey, London, S.E.
1901. Smith, Alfred John, Surveyor, Caversham, Reading.
1904. Smith, Arthur Joel, Windermere, Wake Green, Moseley, Birmingham.
1904. Smith, Arthur Macklow, Finsbury Technical College, Leonard Street, City Road, London, E.C.
1898. Smith, George Alfred, Ash Lodge, Watford.
1904. Smith, Harold, Messrs. Mather and Platt, Park Works, Park, near Manchester.
1903. Smith, Louis William, West End House, Leiston, R.S.O., Suffolk.
1898. Smith, Ralph Vernon, Hickling Lodge, near Keyworth, Notts.
1904. Smith, Stanley Carlton, Messrs. W. H. Allen, Son and Co., Queen's Engineering Works, Bedford.
1902. Smith, Sydney Abbott, 66 College Street, Chelsea, London, S.W.
1903. Smith, Ulric Vivian, 6 Tower Road, Dartford.
1904. Smith, William Garner, Messrs. Warren Smith and Co., 66 College Street, Chelsea, London, S.W.
1902. Somers, Frank, Haywood Forge, Halesowen, near Birmingham.
1903. Sommerville, Alfred, 7 Linden Avenue, East Newport-on-Tay, Fifeshire.
1902. Speakman, Edward Murray, Knutsford, Cheshire.
1902. Spear, Charles Oscar, Duneira, Willesden Lane, London, N.W.
1904. Spedding, John Wilson, 15 St. Michael's Road, Workington.
1904. Stadelbauer, Alfred, Broad Oak, Didsbury, Manchester.
1903. Stanford, Eric Spencer, Stalheim House, Gauden Road, Clapham, London, S.W.
1903. Staveley, Douglas Dunbar, 83 Ferme Park Road, Hornsey, London, N.
1902. Steed, Alfred William, Royal College of Science, Exhibition Road, South Kensington, London, S.W.

1905. Stern, Sydney Leonard, Charing Cross and Strand Electricity Supply Corporation, 85 Commercial Road, Lambeth, London, S.E.
1902. Stevenson, Edward James, Manager, Messrs. Robert Cort and Son, 21 Lower Bland Street, Great Dover Street, London, S.E.
1904. Stewart, Donald, General Delivery, Yonkers, New York, United States.
1892. Stokes, Frank Torrens, P.O. Box 1355, Johannesburg, Transvaal, South Africa.
1904. Stringer, Robert, Beeleigh Villas, 61 Wimpole Road, Colchester.
1904. Suggate, Claude Francis Denny, 38 Statelands Road, Glossop.
1902. Swan, Herbert Anderson, Bleak House, Semaphore, South Australia.
1903. Swarbrick, Frederick, Electricity Works, Leigh, Lancs.

1900. Taite, Geoffrey Charles, 25 Buckingham Gate, London, S.W.
1901. Taylor, George Stevenson, H.M. Inspector of Factories, 39 Victoria Street, Westminster, S.W.
1903. Taylor, Harry Longfellow, 83 Wolverhampton Road, Stafford.
1884. Taylor, Maurice, 11 bis Rue Villebois-Mareuil, Paris.
1902. Tchighianoff, Alexander, 33 Tanza Road, Hampstead, London, N.W.
1901. Thomas, Nevill Senior, Messrs. Topham, Jones and Railton, H.M. Dockyard Extensions, Gibraltar.
1904. Thompson, Bernard Valentine, Royal Engineers' Office, Shoeburyness, S.O., Essex.
1902. Thompson, David John Hamilton, 21 Harris Road, Sheerness.
1900. Thompson, Edward Horace, Gwynne, Albemarle Road, Beckenham.
1902. Thompson, John Archibald, Melrose, Hampton Road, Teddington.
1903. Thorne, Douglas Stuart, 20 Heathfield Avenue, Crewe.
1904. Thorne, Leonard, West Middlesex Waterworks, Hammersmith, London, W.
1902. Thornton, Arthur Frederick, 7 Plough Road, Rotherhithe, London, S.E.
1904. Thursby, Thomas Archibald, 322 Granville Road, Sheffield.
1904. Thurston, Albert Peter, 52 Bodney Road, Hackney Downs, London, N.E.
1904. Toby, Arthur Ivon, Park Villa, Torquay.
1902. Tomes, John Percival, Thames Engineering Works, Greenwich, London, S.E.
1899. Trafford, Joseph Peter, Clifton Road, Sutton Coldfield, Birmingham.
1903. Trayte, Walter George, Woolwich Polytechnic, William Street, Woolwich.
1903. Tresham, Lancelot David, Messrs. G. J. Worssam and Son, Wenlock Road, City Road, London, N.
1903. Trimmer, George William Arthur, Messrs. Burnand Co., Howrah, Bengal, India.
1904. Troughton, Henry James, Fellbrigg, Essex Road, Enfield.

1902. Tulip, Wilfred, Hongkong and Whampoa Dock Co., Hong Kong, China.
1905. Tunbridge, Edward William, 110 Edmund Street, Birmingham.
1901. Turnbull, Walter Alexander, Electricity Works, Bury, Lancashire.
1901. Turner, Ernest William, City Engineer's Office, Peterborough.
1903. Turner, Joe, 60 King Street, Huddersfield.
1903. Turner, William Lawrence, Purley Chase, Atherstone.
1902. Twelvetrees, Richard Walter Rickard, 91 Louisville Road, Tooting, London, S.W.

1900. Viney, Horace, Messrs. T. Coulthard and Co., Preston.
1904. Vyvyan-Robinson, Cecil Albert, Pencisley, near Cardiff.

1901. Wadams, Samuel James, care of Mrs. Crombie, 223 Leith Walk, Edinburgh.
1888. Waddington, Samuel Sugden, Llanberis, 7 Derwent Road, Anerley, London, S.E.
1902. Wakeman, Charles, Jun., Messrs. Guest, Keen and Nettlefolds, 16 Broad Street, Birmingham.
1902. Wakeman, Frederick, Carisbrooke, Cambridge Road, King's Heath, Birmingham.
1902. Wallis, Gerald Pearson, 190 Burrage Road, Plumstead.
1898. Wans, Oswald, Messrs. Burn and Co., Howrah, Bengal, India.
1904. Warbrook, Frederick George, 11 Cobnar Road, Norton Woodseats, Sheffield.
1903. Ward, Montague Wesney, 4 Chepstow Mansions, Bayswater, London, W.
1888. Waring, Henry, Engineer, Dublin Laundry Co., Milltown, near Dublin.
1901. Warwick, Percy Walter, 20 Heathville Road, Crouch Hill, London, N.
1904. Watson, Herbert Sanderson, 16 Park Place West, Sunderland.
1902. Westacott, Percy, Bank Chambers, Princess Square, Plymouth.
1888. Whichello, Richard, Messrs. Victor Uslaender and Co., 33 Rua do General Camari, Caixa 542, Rio de Janeiro, Brazil: (or 44 Trumpington Street, Cambridge.)
1901. White, Percy Wilson, St. Denys, Crediton Road, West Hampstead, London, N.W.
1903. Whitehead, Alan Octavius, Deighton Grove, York.
1902. Whittington-Cooper, Alfred, 26 Kenilworth Court, Putney Bridge, London, S.W.
1889. Wigham, John Cuthbert, Edmundsons' Electricity Corporation, Broad Sanctuary Chambers, Westminster, S.W.
1904. Williams, Herbert Laurence, Royal Gunpowder Factory, Waltham Abbe S.O., Essex.

1901. Williams, Stanley Victor, 23 Loughborough Road, Brixton, London, S.W.

1905. Wilman, Edgar Arthur, Messrs. E. Wilman and Sons, Borough Mills, Bolton Road, Bradford.

1903. Wilson, Ewain Murray, Messrs. Charles Burrell and Sons, St. Nicholas Works, Thetford.

1904. Winckworth, Trevor Edward, Messrs. Kennan and Sons, 19 Fishamble Street, Dublin.

1904. Witherington, Charles Hanington, Aberlash, Sonning, Reading.

1902. Wood, Charles Cuthbert, 28 Rutland Road, Bedford.

1902. Wood, Wilfred Pimm, Wolseley Tool and Motor Car Co., Adderley Park, Birmingham.

1903. Wood, William Bertram, 53 Earlham Grove, Forest Gate, London, E.

1903. Worssam, Leslie Henry, Messrs. G. J. Worssam and Son, Wenlock Road, City Road, London, N.

1902. Wright, Arthur Reginald, 3 Eastbourne Terrace, Cleveland Road, West Hartlepool.

1902. Wright, Frank Claude, care of Dr. Claude Wright, Wynberg, Cape Town, Cape Colony.

1903. Wright, Frank Thomas, Underground Electric Railways Co., Hamilton House, Victoria Embankment, London, E.C.

1903. Yarrow, Harold Edgar, Woodlands, Blackheath, London, S.E.

1905. Yates, Reginald Cholmeley Campbell, Municipal School of Technology, Manchester.

1891. Yerbury, Frederick Augustus, Glenavon, Grange Road, Kingston-on-Thames.

1902. York, Richard Lister, Fairford House, Fairford, S.O., Gloucestershire.

1902. Younghusband, Kenneth, British Westinghouse Electric and Manufacturing Co., Trafford Park, Manchester.

TOPOGRAPHICAL LIST OF MEMBERS.

BRITISH ISLES.

ENGLAND.

Abbey Wood—
Shoosmith, H. M.

Accrington—
Heald, H. G.

Aldershot—
Donohue, Major W. E. M.

Altrincham—
Brogden, H. M.
Dawson, H. W. A.M.
Edmondson, A. R. A.M.
Jameson, W. H. M. A.M.
Mortimore, W. M.
Pollitt, H. M.
Rowland, B. R. M.
Taggart, W. S. M.

Andover—
Stringer, P. A.M.

Ashford—
Masterton, J. F. M.
Sands, H. M.
Stirling, J. M.

Ashtead—
Northey, P. W. M.

Ashton-under-Lyne—
Balkwill, A. J. M.
Bickerton, H. N. M.
Cartwright, W. M.
Fletcher, J. A. M.
Lees, S. M.

Atherstone—
Turner, W. L. G.

Attenborough—
Lake, H. B. A.M.

Bamber Bridge—
Gibbs, G. J. M.

Banbury—
Cunningham, H. M.
Nasbey, G. W. M.
Samuelson, The Rt. Hon. Sir B. M.
Samuelson, E. M.

Barking—
Seabrook, A. H. A.M.

Barnard Castle—
Tubbs, W. E. A.M.

Barnsley—
Allport, H. A. M.
Sanders, G. A.M.

Barnstaple—
Colbourne, T. S. A.M.

Barrow-in-Furness—
Banister, G. H. M.
Bradley, C. G. G.
Buckwell, G. W. M.
Caswell, C. H. G.
Dunn, J. M.
Green, H. H. R. A.M.
McKechnie, J. M.
Oughterson, G. H. A.M.
Pettigrew, W. F. M.
Smith, J. W. A.M.
Thackeray, T. M.

Bath—
Carr, C. R. A.M.
Day, A. G. A.M.
Haggard, P. L. G.
Hamblin, H. J. A.M.
Horner, J. G. A.M.
Hunton, W. G.
Mogg, H. H. A.M.
Oswald, G. H. A.M.
Pitt, W. M.
Walker, S. F. M.

Batley—
Bagshaw, W. M.
Jones, S. D. A.M.

Beddington—
Lyon, A. A. A.M.

Bedford—
Allen, H. G. A.M.
Allen, R. W. M.
Allen, W. H. M.
Austin, J. M. M.
Colley, R. W. G.
Davies, C. E. G.
Everett, G. E. A.M.
Fiegehen, E. G. A.M.
Grafton, A. M.
Howard, G. G.
Howard, J. H. M.
Langley, G. A.M.
Smith, S. C. G.
Steinmetz, A. S. B. A.M.
Trunchion, W. T. F. A.M.

Bedford (*cont.*)**—**
Winmill, G. M.
Wood, C. C. G.

Belper—
Alleyne, Sir J. G. N. M.

Belvedere—
Pritchard, R. C. A.M.
Walker, P. M.

Bembridge—
Mackenzie, K. R. A.

Berkhamsted—
Footner, H. M.

Birkenhead—
Chadwick, R. A.M.
Hutchinson, R. J. A.M.
Nixon, C. B. A.M.
Wilson, A. C. A.M.
Wyld, W. M.

Birmingham—
Aldridge, L. S. G.
Anderson, E. W. M.
Ashford, J. M.
Astbury, A. J. M.
Aston, J. W. M.
Avery, W. B. M.
Awdry, W. L. M.
Bacon, E. L. G.
Barker, T. P. M.
Barrow, L. M.
Bayliss, T. R. M.
Beeching, F. W. A.M.
Beesly, G. M.
Belliss, G. E. M.
Belliss, J. M.
Blumfield, T. W. A.M.
Bowers, W. R. A.M.
Boycott, T. A. G.
Burstall, Prof. F. W. M.
Cannell, W. A.M.
Carr, J. J. W. A.M.
Causer, W. G. M.
Cerrito, F. H. A.M.
Challen, S. W. M.
Challen, W. B. M.
Chatfield, K. R. G.
Chatwin, J. M.
Clark, H. C. A.M.
Clarke, A. W. G.
Clarke, E. F. M.
Collyer, P. N. A.M.

Birmingham (*cont.*)—
Conaty, G. M.
Corby, M. A.M.
Cox, J. M.
Crossley, J. A.M.
Deakin, W. M.
Dickinson, A. M.
Dickinson, R. H. M.
Docker, F. D. A.
Douglass, A. E. A.M.
Dugard, W. H. M.
Dumas, R. A.M.
Edwards, A. E. A. M.
Ellis, B. P. A.M.
Everitt, N. H. M.
Ewen, T. B. M.
Foster, J. S. M.
Gibbins, R. C. M.
Ginders, E. M. A.M.
Goodman, A. C. A.M.
Graham, H. B. M.
Greenwood, W. H. M.
Griffiths, H. A.M.
Guest, G. N. A.M.
Guest, J. J. M.
Hall, J. W. M.
Hall, T. B. M.
Hampton, J. A.M.
Haskew, F. J. T. A.M.
Heaton, A. G.
Heaton, C. M.
Hillhouse, J. P. G.
Hipkins, W. E. M.
Hodgson, R. B. A.M.
Howell, E. J. A.M.
Hudson, E. V. A.M.
Hughes, G. W. A.M.
Jackson, E. A.
Jackson, R. C. M.
James-Carrington, H. A.M.
Jefferiss, T. M.
Jones, E. M.
Jones, F. M.
Jones, L. A. A.M.
Jones, S. D. A.M.
Keay, J. M.
Keen, A. M.
Keen, F. W. M.
Kenway, W. E. A.
Kershaw, T. E. M.
Ketley, C. B. A.M.
Lane, N. A. A.M.
Law, H. C. G.
Lea, F. M. A.M.
Lea, H. M.
Little, G. M.
Malthouse, J. W. G.
Mapplebeck, E. M.
Marks, A. P. A.M.
Marks, E. C. R. M.
Marshall, J. G. M.
Marshall, W. B. M.
Marshall, W. P. M.
Mitton, E. M., Jun. M.
Mitton, T. E. A.M.
Moon, J. G. A.M.
Morcom, A. M.
Nettlefold, G. A.M.
Newill, G. E. G.
Newton, G. H. G.
Norton, A. A.M.
Orr, T. R. J. A.M.
Parker, T. H. M.
Parrott, T. H. M.

Birmingham (*cont.*)—
Parsonage, W. R. A.M.
Peacock, J. B. G.
Pedley, H. I. M.
Pendlebury, C. M.
Penn, F. J. M.
Phelps, G. I. de B. A.M.
Piercy, H. J. T. M.
Pinkney, T. S. A.M.
Plant, G. A.
Porter, R. C. A.M.
Prior, J. D. A.
Rainforth, W. F. A.M.
Reeve, E. G.
Remington, A. A. A.M.
Reynolds, A. M. A.M.
Richey, W. F. A. A.M.
Robertson, W. H. A. G.
Robson, W. H. M.
Rogers, W. I. A.M.
Roseveare, L. A.M.
Sandford, J. A.M
Sangster, C. A.M
Shackleford, A. L. M.
Sharp, T. B. M.
Smith, A. J. G.
Smith, J. M.
Somers, F. G.
Somers, W. M.
Stevenson, J. L. C. A.M.
Suffield, F. W. A.M.
Tangye, G. M.
Tangye, H. L. M.
Tangye, J. M.
Tangye, J. H. M.
Taunton, R. H. M.
Taylor, D. F. A.M.
Taylor, J. S. M.
Thornbery, W. H. M.
Titley, A. M.
Trafford, J. P. G.
Trench, W. C. P. A.M.
Tunbridge, E. W. G.
Turner, A. M.
Wade, F. R. A.M.
Wakeman, C., Jun. G.
Wakeman, F. G.
Walker, T. F. M.
Walker, Z., Jun. M.
Wall, C. H. M.
Warden, W. E. M.
Wearing, J. E. M.
Wheeler, P. M.
Whitehouse, A. A.M.
Williams, C. J. A.M.
Williams, N. C. A.M.
Windsor, A. W. A.M.
Winn, C. R. M.
Wiseman, A. M.
Wood, W. P. G.
Woollen, T. H. M.
Worsley, P. J., Jun. A.M.
Wright, W. M.

Blackburn—
Coddington, Sir W. M.
Hargraves, R. M.
Hodsdon, G. C. A.M.
Johnston, L. A.M.
Smith, A. A.M.
Stones, W. G. A.M.
Thom, F. A.M.
Thom, W. M.
Wingate-Saul, A. W. A.M.

Blackpool—
Furness, C. M.

Blaydon-on-Tyne—
Douglass, W. J. M.
Jopling, A. G.

Bolton—
Bennis, A. W. M.
Berry, F. A.M.
Bromiley, W. J. M.
Chatwood, A. B. M.
Chatwood, S. M.
Chatwood, S. R. M.
Cottrill, J. O. M.
Cryer, J. W. G.
Dobson, B. P. A.M.
Forrest, H. S. M.
Gregson, B. P. A.M.
Harwood, R. M.
Holden, E. C. A.M.
Hudson, J. G. M.
Jones, C. F. M.
Macbeth, N. M.
Musgrave, F. E. M.
Musgrave, W. M. M.
Partridge, H. R. C. M.
Richardson, H. A. M.
Rothwell-Jackson, H. L. M.
Rushton, J. L. A.M.
Ryder, G. A. M.
Sharp, J. M.
Skinner, G. A.M.
Walker, R. A.M.
Willis, G. O. B. A.M.
Wood, H. M.
Wood, W. J. H. A.M.

Boston—
Harliss, W. L. G.
Lovell, S. G. A.M.
Simonds, W. T. M.

Bournemouth—
Bulfin, I. A.M.
Keable, A. H. A.M.
Roose, F. O. J. G.

Bourton—
Rankin, E. A. A.M.

Box, Wilts.—
Philip, W. L. M.

Bradford—
Bland, J. W. A.M.
Charnock, Prof. G. F. M.
Croft, F. A.M.
Croft, F. L. M.
Dean, J. M.
Dews, J. W. A.M.
Dyson, J. D. A.M.
Ellis, A. D. M.
Feather, R. A.
Foster, E. H. A.M.
Foster, H. A. M.
Hardcastle, E. M.
Helme, E. T. M.
Hodgson, G. H. M.
Homersham, T. H. C. M.
Illingworth, W., Jun. A.M.
Knowles, J. W. M.
Lindsay, H. A.M.
Marsden, F. A.M.
Morley, H. W. M.

Bradford (*cont.*)—
Nutter, H. N. G.
Robinson, H. A.M.
Rycroft, J. E. A.M.
Scott, A. F. M.
Sharp, W. G.
Smith, W. H. M.
Stephenson, A. A.M.
Sutcliffe, F. J. R. M.
Taylor, A. J. A.M.
Whittaker, F. W. M.
Wigglesworth, F. A.M.
Wilman, E. A. G.

Braintree—
Clayton, J. M.
Limozin, F. L. J. A.M.

Brampton, Cumbd.—
Hawks, N. S. M.

Brentford—
Gordon, C. W. A.M.

Bridgwater—
Wills, F. M.

Bridport—
Harris, H. N. A.M.

Brierley Hill—
Mantle, H. G. M.
Smith, H. M.

Brighton—
Bowen, E. M.
Broughton, H. G.
Couch, R. E. A.M.
Johnston, J. M.
Malden, H. J. G.
North, H. A.M.
Smart, L. S. M.
Waugh, H. N. D. A.M.

Bristol—
Baber, S. E. A.M.
Butler, G. H. A.M.
Church, H. J. G.
Cross, W. M. A.M.
Ellery, H. G. M.
Evans, M. T. A.M
Fiddes, W. M.
Gray, J. A.M.
Heinke, E. H. A. M.
Humpage, T. M.
Jolin, P. M.
Kitchin, J. W. A.M.
Macdonald, J. T. S. M.
Margetson, A. J. A.M.
McGhee, A. A.M.
Munro, E. M. M.
Munro, Prof. J. M.
Osborn, J. L. A.M.
Parkinson, H. C. M.
Peckett, A. A.M.
Peckett, T. M.
Phillips, W. M.
Soyres, B. de A.M.
Stagg, W. M.
Stothert, G. K. M.
Strong, A. G. A.M.
Swaine, J. M.
Thompson, J. R. M.
Watts, J. M.
Westley, C. B. A.M.
Williams, C. A.M.

Broadstairs—
Higginson, F. A.M.

Bromley, Kent—
Allison, T. E. A.M.
Catmur, T. S. A.M.
Jones, T. M. A.M.

Broseley—
Garrard, G. M. M.

Buckfastleigh—
Willcocks, J. A.M.

Burton-on-Trent—
Baguley, E. E. M.
Beare, H. H. A.M.
Daniel, E. F. M.
Goff, J. M.
Mell, L. P. M.
Metcalfe, F. S. M.
Peet, W. G. M.
Smith, J. M.
Thornewill, R. M.
Thornley, G. M.

Bury, Lancs.—
Bentley, G. M.
Hall, O. S. M.
Peregrine, W. H. A.M.
Riley, J. H. M.
Turnbull, W. A. G.
Webb, H. M.

Camborne—
Keast, J. C. A.M.
Rowe, J. A.M.

Cambridge—
Darwin, H. M.
Hopkinson, Prof. B. M.

Carlisle—
Dove, G. M.
Dove, J. C. M.
Pratchitt, J. M.
Pratchitt, W. M.
Pratchitt, W. M. G.

Carnforth—
Snelus, G. J. M.
Worsdell, T. W. M.

Chadwell Heath—
Taplin, J. M. M.

Chatham—
Binns, A. A.M.
Harrison, Major G. H. M.
Lewis-Dale, H. A. A.M.

Chatteris—
Esson, J. M.

Cheadle, Cheshire—
Godson, E. H. A.M.
Hobson, J. E. M.

Chelmsford—
Ball, E. B. A.M.
Clarkson, T. M.
Dewhirst, J. A.M.
French, A. H. A.M.
Horsnaill, W. O. A.M.
Johnson, J. H. A.M.

Cheltenham—
Kilgour, M. H. M.
Lupton, K. M.
Phillott, G. H. A.M.

Chester—
Britton, S. E. A.M.
Carter, W. M.

Chester (*cont.*)—
Comerford, E. A.M.
Gott, J. B. A.M.
Gritton, J. A.M.
Harris, J. E. G.
Hogarth, T. O. M.
Powel, H. C. M.
Robins, A. G. M.
Thornton, F. W. M.

Chesterfield—
Allbutt, J. E. H. A.M.
Clark, G. M.
Gandy, F. M.
Haywood, A. R. A.M.
Macdonald, J. A. M.
Morris, W. J. A.M.
Percy, H. L. G.
Pilkington, H. M.
Robinson, T. H. A.M.

Chester-le-Street—
Wood, Sir L. M

Chippenham—
Adams, A. E. A.M.

Chislehurst—
Chubb, H. E. G.

Christchurch—
Hussey, F. K. E. A.M.

Clacton-on-Sea—
Francis, A. S. A.M.

Cleckheaton—
Hodgson, H. E. M.

Cleobury Mortimer—
Shaw, G. A.M.

Clevedon—
Pye, J. H. A.M.

Coalbrookdale—
Norris, W. G. M.

Colchester—
Arnold, A. A. A.M.
Paxman, J. N. M.
Plante, S. G. G.
Roberts, W. S. G.
Stirling, R. M.
Stringer, R. G.

Colne—
Rushworth, G. W. A.M.

Coniston—
Warsop, T. M.

Consett—
Douglas, W. S. A.M.
Scott, J. M.

Coventry—
Bennett, A. E. M.
Bird, W. H. M.
Bott, W. S. A.M.
Brett, A. W. A.M.
Craig, A. A.M.
Harmer, O. M.
Herbert, A. M.
Hildreth, W. A. M.
Holroyd, V. A. A.M.
Iden, G. M.
Lea, R. H. M.
Martin, P. A.M.
Preen, A. H. G.
Pugh, C. V. M.

Coventry (*cont.*)—
Pugh, J. V. A.M.
Rich, S. C. G. G.
Robinson - Embury, Capt. R. P. M.
Starley, R. A.M.
Vernon, P. V. M.
Whitehead, T. R. M.

Cowes—
Carnt, E. C. M.
Forster, A. A.M.

Cradley—
Swindell, J. S. E. M.

Cradley Heath—
Cowdell, H. C. M.

Crayford—
Heath, G. W. M.
Lawrence, M. R. M.
Rapson, J. T. A.M.

Crewe—
Eaton-Shore, G. M.
Jervis, B. C. G.
Oke, F. R. M.
Thorne, D. S. G.
Whale, G. M.

Croydon—
Cramb, A. C. A.M.
Dell, F. A. B. A.M.
Harris, H. B. A.M.
Morgan, W. H. G.
White, T. H. A.M.

Dagenham—
Ingle, H. E. A.M.
Williams, A. E. M.

Darlington—
Butler, H. W. M.
Carrick, H. M.
Coates, A. M.
Copperthwaite, R. A. M.
Douglas, C. P. M.
Kendal, R. M.
Peart, J. M.
Smeddle, J. H. M.
Wheeler, O. A.M.

Dartford—
Bagg, H. A. A.M.
Brier, H. M.
English, Lt.-Col. T. M.
Hesketh, E. M.
Smith, U. V. G.
Ward, A. M. A.M.

Darwen—
MacIvor, A. M.
Mills, S. J. A. A.M.

Deal—
Marrian, A. E. A.M.

Derby—
Arnold, J. A. M.
Atherton, W. H. M.
Bain, D. M.
Bell, F. A.M.
Coles, H. J. M.
Deeley, R. M. M.
Donne, F. E. M. A.M.
Eastwood, T. C. M.
Farnsworth, A. W. A.M.
Foster, E. G.
Fowler, H. M.

Derby (*cont.*)—
Goodacre, W. G. A.M.
Guest, C. H. M.
Haggie, R. H., Jun. M.
Haslam, Sir A. S. M.
Haslam, A. V. A.M.
Haslam, W. G. M.
Hill, J. M.
Hodges, F. G. M.
Holmes, H. A.M.
James, T. M.
Jones, C. H. M.
Koetter, A. A.M.
Mills, R. M.
Moulton, A. J. M.
Osborne, T. P. M.
Ottewell, A. M.
Rosevere, R. G. A.M.
Rudder, F. P. A.M.
Smith, J. W. M.
Smith, W. J. A.M.
Summerfield, R. D. A.M.
Surtees, H. W. M.
Swingler, A. M.
Whitehead, R. D. A.M.
Woolliscroft, G. W. M.

Dereham—
Jewson, H. A.M.

Devizes—
Falconer, E. A. G.

Devonport—
Crocker, J. M.
Dodridge, F. A.M.
Porter, E. W. A.M.
Willsteed, C. W. A.M.

Devoran—
Visick, C. A.M.

Dewsbury—
Horsfield, P. F. G.
May, H. N. A.M.

Doncaster—
Bazin, J. R. G.
Bulleid, O. V. P. G.
Crooke, W., Jun. A.M.
Dove, G. M.
Drury, H. W. C. A.M.
Emerson, W. A. I. G.
Hawkins, E. F. G.
Hogg, W. G.
Ivatt, H. A. M.
Marsh, D. E. M.
Meredith, J. M.
Pink, E. S. G.
Stirling, P. M.
Webster, F. J. M.

Dorchester—
De Mattos, J. H. M.

Dorking—
Lakin-Smith, C. A.M.

Dudley—
Cochrane, J. B. M.

Dukinfield—
Coombs, J. A. A.M.
Oldham, F. M.
Oldham, T. M.

Durham—
Oldham, G. M.
Schroller, W. M.

Earls Colne—
Hunt, F. A.M.

Eastbourne—
Bowen, C. W. G.
Creighton, J. A.M.
Rodda, J. T. A.M.

East Dereham—
Cooper, G. S. H. G.
Hervey, M. W. M.

East Grinstead—
Stirling, R. M.

East Molesey—
Scott, W. H. M.

Egremont—
Dickinson, J. G. G.
Holmes, G. N. G.
Mindo, A. W. M.

Elstree—
Braithwaite, C. C. M.

Eltham—
Roberts, E. G. L. G.

Ely—
Poignand, F. N. G.

Enfield—
Troughton, H. J. G.

Epsom—
Richmond, W. F. M.

Erith—
Howard, P. G.
May, C. R. M.
Smart, A. M
Ticehurst, H. G. M.
Whitmore, F. L. M
Wright, G. A. A.M.

Eton—
Sainty, C. M.

Exeter—
Grove, H. A.M.
Hodges, M. H. M.
Ingram, S. M.
Pickering, W. S. A.M.
Rew, R. J. A.M.
Simpson, S. A.M.
Toms, R. A.M.

Fairford—
Day, G. C. M.
York, R. L. G.

Falmouth—
Cox, H. H. M.
Stephens, C. R. M.

Farnborough—
Talbot, F. W. A.M.

Faversham—
Semark, C. H. A.M.

Felsted—
Morgan, D. H. A.M.

Fence Houses—
Lishman, T. M.

Fleetwood—
Boyd, H. A.M.
Foster, S. A.M.
Hansom, O. A.M.

Folkestone—
Dean, W. M.
Hesketh, T. A.M.

Frinton-on-Sea—
Bate, E. M. G.

Gainsborough—
Cribb, F. J. M.
Maitland, D. J. A.M.
Marshall, Henry D. M.
Marshall, H. D. M.
Marshall, H. J. M.
Marshall, J. M.
Newell, E. M.
Powell, H. G.

Gateshead—
Baister, C. M.
Carrick, J. E. C. G.
Chater, J. R. M.
Cowens, W. E. M.
McDougall, H. A.M.
Raven, V. L. M.
Smith, W. M. M.
Walker, H. M.
Woodeson, W. A. A.M.
Worsdell, W. M.

Glossop—
Suggate, C. F. D. G.

Gloucester—
Dorman, W. S. M
Fielding, J. M.
Howard, J. W. M.
Montague, G. A.M.
Scott, C. H. M.
Sisson, W. M.

Godalming—
Burdock, A. G.

Gosport—
Bell, E. M.

Grantham—
Anstey, H. C. M.
Groom, I. S. W. A.M.
Hornsby, J. M.
Inchley, W. G.
James, C., Jun. M.
Roberts, D. M.

Gravesend—
Brownjohn, W. H. A.M.
Muirhead, R. M.
Sandford, H. M.
Spencer, H. W. A.M.
Taylor, C. P. A.M.

Great Malvern—
Stephenson-Peach, W. J. M.

Great Yarmouth—
Back, W. H. A.M.
Kendall, A. H. G.
Pertwee, H. A. A.M.

Grimsby—
Bulwer, E. H. E. M.
Pownall, J. H. A.M.
Wood, W. J. M.
Wotherspoon, J. D. M.

Guide Bridge—
Clarke, L. T. A.M.

Guildford—
Dickinson, W. A.M.
Lloyd, W. E. G.
Malthus, R. G.

Halifax—
Bentley, W. M.
Butler, J. M.
Campbell, H. M.
Gledhill, A. H. A.M.
Hardy, J. H. A.M.
Marsden, W. A.M.
Marshall, L. M.
Marsland, J. S. M.
Naylor, J. A.M.
Naylor, S. M.
Pogson, J. M.
Priestley, A. G.
Radley, W. J. P. G.
Redman, J. M.
Slingsby, W. A.M.
Thomas, F. W. M.
Widdowson, E. L. A.M.

Halstead—
Hawkins, E. S. A.M.

Hampton Wick—
Fitzgerald, W. A. G.

Hanley—
Smith, T. J. A.M.

Hanley Castle—
Maylor, W. M.

Harrogate—
Davis, A. H. A.M.
Lowsley, S. E. G.
Wilkinson, G. M.

Harrow—
Holmström, C. A. M.

Hartlepool—
Cheesman, W. T. M.
Morison, D. B. M.
Richardson, Sir T. M.
Wornum, J. R. A.M.

Harwich—
Blenkinsop, J. N. M.

Hastings—
Ferguson, R. F. A.M.

Havant—
Dean, G. A.M.

Hayle—
Harvey, F. H. M.
Hawkins, T. S. A.M.

Haywards Heath—
Channon, P. P. A.M.

Heaton-on-Tyne—
Casebourne, A. C. A.M.

Hednesford—
Bumsted, F. D. M.
Chandler, N. M.
Williamson, R. S. A.

High Barnet—
MacLay, Prof. A. M.

Highbridge—
Whitaker, A.

Hitchin—
Bullmore, A. W. E. A.M.
Innes, A. M. A.M.
Spencer, A. L. H. A.M.
Spencer, W. E. S. H. A.M.

Horsehay—
Forster, R. A.M.

Horsham—
O'Reilly, F. J. A.M.
Renwick, R. A.M.

Horwich—
Hughes, G. M.
Jones, A. D. A.M.
Shawcross, G. N. M.

Hove—
Hill, R. A. M.

Howden—
Briggs, C. M.
Briggs, J. H. M.

Huddersfield—
Broadbent, W. M.
Clarkson, C. M.
Holmes, P. F. M.
Hopkinson, A. H. A.M.
Hopkinson, J. M.
Moore, T. R. A.M.
Shaw, W. C. G.
Turner, J. G.
Young, H. E. A.M.

Hull—
Adam, B., Jun. G.
Baldwin, C. E. A.M.
Bancroft, F. J. M.
Blackith, F. M.
Brodrick, W. H. M.
Cooper, W. M.
Fourny, H. F. M.
Harrison, R. A.M.
Harrison, W. R. M.
Haswell, F. J. M.
Heath, C. L. E. A.M.
Jenkin, T. H. M.
Pearson, F. H. M.
Pudsey, F. G.
Robb, A. M.
Spring, A. L. A.M.
Stirling, M. M.
Taylor, W. A.M.
White, A. E. M.
Willatt, W. H. M.

Hungerford—
Rose, S. D. A.M.

Hyde—
Adamson, D. M.
Adamson, J. M.
Beeley, T. M.
Beeley, T. C. M.
Hall, J. M.

Ilford—
Carstairs, G. L. A.M.
Clacher, T. A.M.
Cowie, W. A.M.
Kenshole, H. H. A.M.
Lyddon, G. E. A.M.
Middleton, R. T. M.
Seabrook, A. W. M.
Spurr, G. R. A.M.

Ilkley—
Busfeild, W. A.M.
Vaux, W. M.

Ipswich—
Child, P. D. G.
Cooper, A. A.M.
Davies, E. J. M.
Hartley, H. A. A.M.
Jefferies, H. S. M.
Morris, C. C. B. G.
Rainer, E. A. A.M.
Ransome, J. E. M.
Ripley, P. E. M.
Turner, F. M.
Turner, F. W. A.M.
Unsworth, R. H. M.

Isleworth—
Beck, E. M.

Jarrow—
Reed, J. W. M.

Keighley—
Baldwin, J. M.
Clapham, T. A. G.
Cope, H. C. M.
Darling, J. W. M.
Longsdon, H. C. M.
Smyth, J. M. A.M.
Spencer, J. M.
Wheater, E. J. A.M.
Wright, I. H. A.M.

Kendal—
Robinson, J. M.

Kettering—
Bent, J. B. A.M.
Lea, A. H. A.M.
Wicksteed, C. M.

Kew—
Wilson, R. D. A.M.

Keyworth—
Smith, R. V. G.

Kidderminster—
Bates, H. H. G.
Bradley, F. M.
Green, B. J. A.M.

King's Langley—
Taylor, E. E. A.M.

King's Lynn—
Alleyne, R. H. N. M.
Dodman, A. M.
Savage, J. T. M.
Weaver, H. J. A.M.

Kingston-on-Thames—
Edgcome, J. E. M.
Hilditch, G. W. G.
Monro, Capt. J. D. A.M.
Pimm, A. W. G.
Prevôst, A. T. G.
Yerbury, F. A. G.

Knutsford—
Longridge, R. C. M.
Speakman, E. M. G.

Lancaster—
Harling, W. A.M.
Shackleford, W. C. M.
Tester, W. A. A.M.

Lapworth—
Barker, T. B. M.

Leamington—
Main, G. P. A.M.

Leatherhead—
Gregory, H. G. G.

Leeds—
Abel, W. R. A.M.
Ainscough, W. A.M.
Atherton, E. S. A.M.
Bailie, J. D. M.
Baxandall, R. F. A.M.
Beanland, F. A.
Beaumont, Prof. R. M.
Bentley, P. A.M.
Benton, W. J. M.
Berry, H. M.
Blackburn, G. W. M.
Boorman, J. A. M.
Bottomley, J. W. M.
Bowler, T. M.
Bruce, R. A. M.
Butler, E. M.
Butler, H. M. M.
Campbell, A. M.
Campbell, E. W. A.M.
Campbell, J. M.
Clark, E. K. M.
Close, H. A. A.M.
Creighton, H. A.M.
Daniel, W. M.
Daniel, W. H. A.M.
Davy, D. A.M.
Denison, S. M.
Dickinson, H. M.
Dougill, A. A.M.
Dunn, J. A.M.
Edwards, J. G. B. A.M.
Evers, J. H. M.
Fowler, R. H. M.
Gauvain, W. P. G.
Gearing, E. G. M.
Goodman, Prof. J. M.
Graham, J. M.
Graham, M. M.
Greaves, H. J. A.M.
Greaves, W. M.
Green, T. W. M.
Green, W. P. M.
Greenwood, A. M.
Grover, F. M.
Grunwell, H. M.
Gullick, H. D. G.
Hamilton, G. C. M.
Harcourt, O. S. H. M.
Hartnell, W. M.
Hinchliffe, G. W. A.M.
Holgate, C. H. M.
Holland, B. A. A.M.
Hudson, R. M.
Hunter, J. M.
Jackson, T. M.
James, C. W. M.
Jeffreys, E. H. M.
Jennins, H. H. M.
Jepson, J. T. M.
Johnson, F. A. A.M.
Johnson, W. W. A.M.
Kaye, W. K. M.
Kitson, Sir J. M.
Kremnitz, H. A.M.
Lambert, H. M.
Lane, F. L. M.
Lawson, F. W. M.
Leisse, G. C. M.
Lightfoot, K. G.

Leeds (*cont.*)**—**
Lupton, Prof. A. M.
Lupton, H. M.
Lupton, N. D. A.M.
Lupton, W. W. M.
Mason, J. F. A.M.
McLaren, H. M.
McLaren, J. M.
McLaren, J. A. M.
Meysey-Thompson, A. H. M.
Middleton, R. M.
Morrison, R. P. M.
Musgrave, J. R. M.
Myers, H. S. M.
Parr, G. D. A. A.M.
Puddephatt, E. O. M.
Reay, T. P. M.
Redding, W. A.M.
Richardson, J. M.
Richardson, J. S. G.
Ripley, H. A.M.
Scriven, C. M.
Sinclair, H. M.
Smith, F. H. A.M.
Smith, T. M.
Smith, W. T. A.M.
Somers, R. M. A.M.
Sturgeon, W. E. A.M.
Sunderland, W. A.M.
Talbot, B. M.
Tannett-Walker, A. T. M.
Towler, A. M.
Wallis, G. P. M.
Wardle, E. M.
Watney, T. S. M.
Watson, G. M.
Watson, J. F. M.
Weston, T. W. M.
Whitehouse, E. E. J. M.
Wicksteed, J. H. M.
Wigram, W. G. A.M.
Wilson, T. S. M.
Woodhouse, W. B. A.M.
Wyvill, F. C. M.

Leicester—
Appleby, P. V. M.
Atkinson, R. E. M.
Bennion, C. M.
Brooks, J. F. A.M.
Gimson, A. J. M.
Gimson, H. G.
Hill, F. J. A.M.
Jessop, G. M.
Richards, H. W. H. M.
Robinson, E. M. M.
Taylor, W. M.
Wootton, J. M.

Leigh, Lancs.—
Sutcliffe, E. R. A.M.
Swarbrick, F. G.

Leiston—
Garrett, F. M.
Garrett, F., Jun. A.M.
Smith, L. W. G.

Lichfield—
Knottesford-Fortescue, J. N. A.M.

Limpsfield—
Barry, A. P. G.

Lincoln—
Barnes, C. M.
Basta, H. G.
Bell, W. T. A.M.
Brown, A. M. M.
Collis, A. E. M.
Duckering, C. M.
Fletcher, W. M.
Foggo, W. M.
Gash, L. C. A.M.
Harrison, F. H. M.
Livens, F. H. M.
Nicholas, D. C. A.M.
Orcutt, H. F. L. M.
Rainforth, W. M.
Richardson, J. M.
Richardson, J. R. M.
Scorer, A. B. G.
Sharpley, G. R. M.
Shuttleworth, A. M.
Shuttleworth, Lt.-Col. F. M.
Wesley, J. A. M.

Liscard—
Pooley, H. M.

Littlehampton—
Duke, R. F. A.M.

Liverpool—
Anderson, J. W. M.
Armistead, T. W. A.M.
Armour, J. G. M.
Atkins, E. A. A.M.
Barnes, J. E. L. M.
Bayley, G. R. M.
Bell, A. A.M.
Bishop, C. H. A.M.
Brodie, J. A. M.
Buchanan, J. M.
Child, J. A.M.
Chubb, R. A.
Cottrell, S. B. M.
Crawford, J. F. A.M.
Dall, J. M.
Duff, E. J. M.
Edmiston, J. B. M.
Fawkes, R. E. F. G.
Fowler, A. F. M.
Geddes, C. M.
Gilling, A. H. M.
Haarer, E. Du C. M.
Heap, W. M.
Hepburn, G. M.
Honiball, C. R. M.
Hope, A. A.M.
Kenyon, G. C. A.M.
King, W. M.
Lambert, W. F. M.
Layborn, D. M.
Leonard, P. A.M.
Macaulay, J. A.M.
Mansfield, A. A.M.
Melville, W. C. M.
Miller, D. M.
Miller, T. L. M.
Monkhouse, F. L. A.M.
Muckley, W. H. M.
Musker, A. M.
Musker, C. M.
Neachell, E. J. A.M.
Newall, J. M. M.
O'Brien, B. T. M.
Owens, P. R. M.
Page, J. H. A.M

Liverpool (*cont.*)—
Parry, A. M.
Price, W. F. A.M.
Prockter, G. H. A.M.
Richmond, W. P. A.M.
Roberts, H. J. M.
Salter, J. R. A.M.
Scott, F. M. M.
Scott, W. G. M.
Shield, H. M.
Sloan, R. A. M.
Smith, J. R. M.
Snoxell, G. E. M.
Steel, T. J. A.M.
Taylor, W. M.
Thomas, J. M. M.
Thompson, W. P. M.
West, C. H. M.
West, H. H. M.
Woodger, P. B. A.M.
Woods, A. R. T. M.
Wyles, D. D. M.
Wyllie, J. M.
Young, F. W. M.

Liversedge—
Deacon, R. W. M.

LONDON—
Abady, J. M.
Abel, C. D. M.
Accles, W. S. M.
Acfield, W. C. A.M.
Acland, Captain F. E. D. M.
Adams, H. M
Adams, J. D. A.M.
Adams, W. J. M.
Adamson, C. J. M.
Adiassewich, A. V. A.M.
Aiton, J. A. M.
Alexander, J. G. A.M.
Allen, C. E. A.
Allensby, C. R. G.
Amos, E. C. M.
Amos, H. C. A.M.
Amy, P. A. G.
Anderson, A. S. M.
Anderson, E. A.M.
Anderson, J. K. A.M.
Anderson, J. R. M.
Andrew, S. E. A.M.
Anson, F. H. M.
Armer, J. M.
Armes, B. S. M.
Armytage, J. H. A.M.
Arnold, F. N. A.M.
Arnold, W. M.
Arundel, A. S. D. A.M.
Ash, A. E. M.
Ashcroft, A. G. M.
Aston, E. B. S. A.M.
Atkinson, F. M.
Atkinson, F. A. M.
Atkinson, H. M.
Attack, E. A. M.
Aughtie, H. A.M.
Ault, E. M.
Aveline, W. R. M.
Aveling, R. C. A.M.
Aykroyd, J. K. G.
Bailey, H. D. A.M.
Baker, A. G.
Baker, Sir B. M.
Baker, G. S. M.

London (*cont.*)—
Baker, H. H. A.M.
Baker, J. A. M.
Bale, J. H. F. A.M.
Bale, M. P. M.
Balfour, G. A.M.
Bamber, H. W. M.
Barber, J. W. M.
Barber, T. W. M.
Barker, G. M.
Barker, M. W. M.
Barley, C. J. M.
Barnwell, E. A. G.
Barringer, H. M.
Barry, Sir J. W. M.
Barry, L. C. G.
Bartle, G. W. A.M.
Barton, A. A.M.
Bartram, H. A. A.M.
Bateman, J. T. M.
Beale, B. R. M.
Beale, S. R. G.
Beard, A. C. M.
Beaumont, W. W. M.
Beck, A. E. A.M.
Beck, W. H. M.
Begbie, S. D. M.
Beldam, A. M.
Bell, C. S. A.M.
Bell, R. A. G.
Bell, W. A.M.
Belsham, M. M.
Bennett, A. T. A.M.
Bennett, F. E. G.
Bennett, F. W. A.M.
Bennett, H. B. G.
Bennett, J. W. M.
Bennett, M. H. A.M.
Bennett, P. M. A.M.
Bennett-Powell, P. G. G.
Bentley, T. S. A.M.
Berchem, A. H. E. M.
Best, F. E. M.
Bevan, I. A.M.
Bicknell, A. C. M.
Bilbie, J. M.
Billinton, P. R. G.
Bing, H. A.M.
Binnie, Sir A. R. M.
Bird, G. M.
Birkett, H. M.
Björnstad, J. M.
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Newark—
Abbott, T. M.
Asbury, G. E. M.

Newark (*cont.*)—
Bagshawe, B. W. A.M.
Josselyn, E. A.M.
Owston, W. H. A.M.
Ransome, A. M.

New Brompton—
Atkins, A. H. G.
Chalmers, A. D. A.M.

Newbury—
Atkinson, R. C. G.

Newcastle-on-Tyne—
Allan, G., Jun. A.M.
Arkwright, B. G. M.
Billetop, T. C. M.
Black, W. M.
Browne, Sir B. C. M.
Browne, B. C., Jun. M.
Carr, W. S. M.
Clatworthy, W. A. A.M.
Claughton, G. A.M.
Coote, A. M.
Dalton, W. T. A.M.
Fife, F. G. G.
Fletcher, W. M.
Forster, A. L. M.
Girling, H. C. A.M.
Hedley, R. M.
Hedley, W. S. A.M.
Holmes, J. H. M.
Holmes, R. J. M. A.M.
Hunter, G. L. M.
Kato, S. G.
Lawrence, H. M.
Mackessack, H. A.M.
Marshall, F. T. M.
Millar, T. M.
Mountain, W. C. M.
Orde, E. L. M.
Owen, E. H. G.
Philipson, J. G.
Philipson, W. G.
Proctor, C. F. M.
Redman, S. G. A.M.
Ridley, J. C. M.
Ridley, J. C., Jun. A.M.
Rolf, G. A.M.
Scott, E. G.
Scott, W. A.
Sheffield, G. H. M.
Smith, W. M.
Spencer, J. W. M.
Swinburne, M. W. M.
Taverner, H. L. A.M.
Trail, J. M.
Tweedy, J. M.
Twinberrow, J. D. M.
Wallace, J. M.
Watson, H. B. M.
Watson, T. J. M.
Watson, W. C. M.
Watt, A. M.
Westmacott, H. A. M.
Westmacott, P. G. B. M.
Young, J. M.
Younger, R. M.

Newhaven—
Fisher, H. B. M.

New Malden—
Pritchard, L. H. A.M.

Newnham-on-Severn—
Rickie, J. H. G.

Newport, I. of W.—
Seymour, J. H. A.M.

Newton Abbot—
Geen, H. A.M.
Giles, B. M.
Russell, W. R. A.M.

Newton-le-Willows—
Eyers, C. A.M.

Northampton—
Grose, A. M.
Hannah, J. C. A.M.
Jackson, G. H. M
Mobbs, H. G.
Moncrieff, R. W. A.M.

Northfleet—
Jeff, W. A.M.

North Shields—
Lishman, J. J. A.M.

Northwich—
Boyd, W. A.M.
Cook, J. G.
Hollows, A. A.M.
Yarwood, W. J. M.

Northwood—
Schultz, G. C. G.

Norwich—
Banister, A. N. M.
Howard, H. J. G.
Pillow, E. M.

Nottingham—
Ahrons, E. L. M.
Alliott, J. B. M.
Ames, R. M.
Bexon, R. A. G.
Bond, G. C. M.
Cleaver, A. M.
Cowen, E. S. M.
Cowen, G. R. M.
Crosta, L. W. M.
Davies, F. W. A.M.
Dowson, R. M. A.M.
Fothergill, S. F. W. A.M.
Fowler, G. M.
Hind, E. A.
Hodgson, W. J. G.
Hughes, G. D. M.
Hunt, W. M.
Johnson, S. W. M.
Miller, J. S. M.
Mills, G. P. M.
Paton, J. M. C. M.
Phillipps, J. A.M.
Potter, W. H. M.
Reader, R. M.
Robinson, Prof. W. M.
Rowcliffe, J. A. A.M.
Sheldon, H. C. M.
Smith, H. W. A.M.
Smith, I. M.
Smith, J. B. M.
Taylor, W. M.
Turney, Sir J. M.
Wardle, F. H. A.M.
Westmoreland, J. W. H. M.
Wright, T. M.

Nuneaton—
Shaw, W. C. A.M.

Old Charlton—
Macgregor, A. J. G.
Mascall, A. E. A.M.
Paterson, S. A.M.
Tunley, P. J. A.M.

Oldham—
Charlesworth, S. M.
Dodd, J. M.
Dronsfield, J. M.
Dronsfield, W. M.
Hall, H. P. M.
Howarth, W. M.
Mannock, J. J. A.M.
Taylor, R., Jun. M.
Whittaker, J. M.

Osborne—
Taylor, Eng. Comm. C. G. M.

Oswestry—
Harrow, T. W. G.
Jones, H. E. M.

Oxford—
Evetts, W., Jun. A.M.
Lucy, W. T. M.

Penzance—
Corin, P. B. M.
Holman, F. M.

Peterborough—
Harris, W. W. M.
True, R. A. A.M.
Turner, E. W. G.
Turner, J. A. A.M.

Pinner—
Inglis, W. R. H. A.M.

Plumstead—
Bloomfield, C. W. G.
Butter, H. J. M.
Low, R. M.
Spiller, C. A.M.
Tatton, A. L. A.M.
Turton, W. H. M.
Wallis, G. P. G.

Plymouth—
Back, A. C. L. M.
Bellamy, C. V. M.
Hoyte, P. S. A.M.
Luke, R. M. A.M.
Neal, R. H. B. A.M.
Piper, G. E. G.
Westacott, P. G.
Whitelock, W. H. A.M.

Polegate—
Gwynne, J. E. A. M.

Ponders End—
Morris, W. E. G.

Poole—
Aston, R. G. G.
House, H. A., Jun. M.
Scanlan, H. E. A.M.

Portland—
Beck, J. A.M.

Portsmouth—
Ashley, H. M.
Bennington, Eng. Comm. J. W. M.
Gibson - Sugars, Eng. Comm. J. S. M.

Portsmouth (*cont.*)**—**
Hurst, B. L. A.M.
Lamb, S. E. A.M.
Lironi, V. G. M.
Lonnon, Eng. Comm. W. M.
Marten, H. B. A.M.

Prescot—
Barty, A. D. M.
Hollingsworth, B. G.
Tennant, J. A.M.

Preston—
Adams, D. A.M.
Bowman, H. M.
Bowman, H. E. G.
Carwin, J. W. A.M.
Conner, J. M.
Dryden, T. M.
Dryden, W. A.M.
Eastwood, W. M.
Handy, C. E. A.M.
Iddon, J. M.
Norris, W. M.
Spurrier, H. M.
Viney, H. G.

Rainhill—
Brearley, F. T. M.

Reading—
Binns, W. A.M.
Brown, G. W. M.
Cooper, A. T. A.M.
Meaden, N. M.
Porter, E. C. G. A.M.
Routh, W. P. M.
Smith, A. J. G.
Stedman, G. P. W. A.M.
Stephenson, G. R. M.
Sutton, H. R. A.M.
Witherington, C. H. G.

Redditch—
Smith, R. W. M.

Retford—
Jenkins, W. J. M.
Jukes, J. W. A.M.

Richmond, Surrey—
Bullen, W. H. C. A.M.
Ormerod, R. O. M.
Quirk, W. M. H. M.
Yates, A. T. A.M.

Rochdale—
Backhouse, J. A.M.
Bridge, A. G. A.M.
Brindle, J. A.M.
Carter, F. A.M.
Fielden, J. P. M.
Kershaw, G. A.M.
Liebert, H. A. M.
Moffet, J. S. D. A.M.
Pickles, T. S. G.
Porritt, L. A. M.
Robinson, C. J. M.
Robinson, T. N. M.
Storie, G. B. A.M.
Wilkinson, F. A.M.

Rochester—
Aveling, T. L. M.
Cheeseman, A. B. E. G.
Cochrane, Capt. T. H. M.

Rochester (*cont.*)**—**
Marks, G. C. A.M.
Neate, P. J. M.
Senior, G. G.
Watson, J. B. M.

Rochford—
Hollick, A. S. A.M.

Romford—
Bryan, B. W. A.M.

Romsey—
Pepper, J. E. M.

Rotherham—
Baker, E. G.
Baker, H. G. A.M.
Chrimes, C. E. A.
Dick, F. W. M.
Dyson, R. M.
Geach, L. C. A.M.
Green, T. M.
Jenkins, E. J. G.
Wilson, J. C. A.M.

Rugby—
Blyth, E. B. A.M.
Briggs, E. R. A.M.
Butcher, W. E. A.M.
Cash, E. W. A.M.
Cooke, F. W. A.M.
Cox, L. M. R. G.
Fox, E. J. A.M.
Goolding, E. A.M.
Hurst, J. H. G.
Izod, E. G. A.M.
Lazenby, A. M.
Lewis, F. W. A.M.
Millington, W. E. W. G.
Peache, J. C. M.
Prosser, N. L. G.
Robinson, M. H. M.
Rogers, E. N. C. A.M.
Sankey, Captain H. R. M.
Spicer, F. L. A.M.

Runcorn—
Allen, P. R. M.
Cullen, W. H. M.
Wiswall, J. W. A.M.

St. Albans—
Okes, J. C. R. M.
Peake, R. C. A

St. Anne's-on-Sea—
Walsh, T. A.M.

St. Helens, Lancs.—
Brearley, B. J. M.
Cook, J. J. M.
Daglish, H. B. M.
Hollingsworth, E. M. A.M.
Hyde, G. A.M.
Jenkinson, T. M.
Lackland, J. J. M.
Smith, W. M.
Swallow, J. A.M.
West, L. M.

St. Just—
Williams, N. T. M.

St. Leonards-on-Sea—
Ball, C. S. A.M.

Salcombe—
Halstead, A. F. M.

Salford—
Adams, E. M.
Bailey, Sir W. H. M.
Bates, H. A.M.
Coventry, T. A.M.
Donovan, E. W. M.
Gresham, H. E. M.
Gresham, J. M.
Hodgson, W. M.
Kiernan, G. M.
Larmuth, J. H. A.M.
Larmuth, W. O. A.M.
Morris, J. M.
Oliver, T. M.
Shaw, J. M.
Smith, R. A. M.
Trafford, A. A.M.
Widdowson, J. H. M.
Woods, W. H. M.

Saltash—
Longridge, Capt. C. C. M.

Saltburn-by-the-Sea—
Evans, D. M.
MacCurrach, D. C. A.M.

Sanderstead—
Wunderlich, A. A.M.

Scarborough—
Brogden, T. M.

Sevenoaks—
Bowker, A. F. M.
Hammond, W. J. M.
Humphrey, F. G. A.M.

Sheerness—
Bramsdon, Eng. Capt. W. H. M.
Jacobs, Lieut. J. J. M.
Thompson, D. J. H. G.

Sheffield—
Addy, G. M.
Alcock, A. E. A.M.
Allcard, H. M.
Allen, W. E. A.
Askham, J. U. M.
Askham, P. U. M.
Bainbridge, E. M.
Barnes, A. A.M.
Bashforth, A. M.
Beck, I. M.
Beckett, J. E. G.
Bennison, W. C. A.
Bland, F. M.
Boulden, F. A.M.
Capron, A. J. M.
Carnegie, D. M.
Cleland, W. M.
Cooper, H. M.
Cowen, G. H. A.M.
Craven, J. A. M.
Crosland, J. M.
Davidson, A. M.
Dewhurst, J. H. M.
Drinnan, J. A.M.
Fawcett, P. W. A.M.
Fedden, S. E. M.
Firth, A. M.
Fletcher, J. E. A.M.
Foster, G. A.
Foster, R. J. A.M.
Fryer, T. J. A.M.

Sheffield (*cont.*)**—**
Gibbins, J. E. A.M.
Greaves, W. A.M.
Hadfield, R. A. M.
Halcomb, S. B. M.
Hartley, W. A. M.
Hawksley, C. W. A.M.
Hawksley, G. W. M.
Hill, A. P. A.M.
Hollingsworth, A. A. M.
Howell, S. E. M.
Hoyle, J. R. M.
Iorns, C. R. M.
Jack, J. H. A.M.
Jackman, J. A.
Johns, C. M.
King, E. A.M.
Lash, H. W. M.
Laycock, W. S. M.
Little, J. M.
Mappin, Sir F. T. M.
Martyn, S. W. A.M.
Matthews, T. B. A.
Meggitt, S. N. A.
Miller, W. T. W. A.M.
Moore, N. S. A.M.
Newton, R. A.M.
Newton, S. B. M.
Ockendon, W. M.
Ormsby, E. S. M.
Osborn, W. F. G.
Palmer, A. A.M.
Parkin, T. A.M.
Platts, W. M.
Radcliffe, W. M.
Radford, R. H. M.
Ripper, Prof. W. M.
Sandeman, E. M.
Sawyer, C. P. A.M.
Seager, F. P. G.
Simpkin, F. H. A.M.
Skinner, A. M.
Stockton, J. S. M.
Suffield, C. A. A.M.
Thompson, H. A.M.
Thursby, T. A. G.
Tozer, E. S. A.
Unwin, M. E. A.M.
Vickers, A. M.
Vickers, T. E. M.
Warbrook, F. G. G.
Ward, S. A. M.
Warlow, F. A. M.
Webster, A. G. A.M.
Whale, R. A. A.M.
Wild, A. G. A.M.
Williams, J. R. A.M.
Wilson, Sir A. M.
Winder, C. A. M.
Wood, S. A.M.
Yardley, W. H. A.M.
Yerbury, H. E. A.M.
Young, S. J. M.

Shipley—
Parkinson, E. A.M.
Parkinson, J. M.
Schofield, S. D. A.M.

Shoeburyness—
Thompson, B. V. G.

Shoreham—
Stow, G. A.M.

Shrewsbury—
Johnston, C. M. M.

Sidcup—
Farnham, W. A. A.M.

Slough—
Kidd, J. W. A.M.
Pope, W. W. M.
Pover, G. A. F. A.M.
Wollaston, H. U. M.

Snodland—
Taylor, T. A.M.

Soham—
Schofield, G. A. M.

Southall—
Sanders, H. C. M.

Southampton—
Bosley, W. J. A.M.
Burnand, A. H. A.M.
Cooper, J. E. G.
Dunt, R. A. A.M.
Parsons, H. A.M.
Slight, W. H. M.
Tebbutt, S. M.
Wallau, F. P. M.
Whitby, A. G. M.
Wimshurst, J. E. M.

Southend-on-Sea—
Elford, E. J. M.

South Godstone—
Tartt, W. M.

Southport—
Eastwood, C. M.
Hamer, W. M.
Morrin, R. M.
Prockter, F. M. A.M.
Rothery, W. B. M.

South Shields—
Bithel-Jones, H. A.M.
Cawthra, J. H. A.M.
Readhead, R. M.

Sowerby Bridge—
Milligan, W. S. M.
Pollit, E. E. M.

Stafford—
Hoult, W. A.M.
James, H. H. M.
Jantzen, P. H. H. G.
Jenkin, C. F. M.
Peam, F. G.
Taylor, H. L. G.

Stalybridge—
Hudson, W. M.
Weston, W. N. A.M.

Stamford—
Blackstone, E. C. M.

Stockbridge, Hants—
Tomkins, W. S. M.

Stockport—
Atkinson, C. J. A.M.
Atkinson, J. M.
Bellamy, A. R. M.
Chorley, R. A.M.
Goodfellow, G. B. M.
Harlow, B. S. A.M.
Horsfield, R. M.
Pearson, H. A.M.
Rendell, S. M.
Taylor, E., Jun. M.
Taylor, J. M.

Stockton-on-Tees—
Allan, G. M.
Anderson, W. M.
Arnold, F. W. A.M.
Beard, B. M.
Clark, H. M.
Dunn, M. M.
Warner, A. W. A.
Wrightson, Sir T. M.

Stoke-on-Trent—
Adams, J. H. M.
Freeman, W. W. A.M.
Hookham, J. A. M.
Shaw, J. A.M.
Wainford, R. H. M.

Stonehouse, Glos.—
Meyrick-Jones, L. M. A.M.
Stotesbury, R. H. A.M.

Stony Stratford—
Bull, T. P. A.M.
Hayes, E. M.

Stourbridge—
Attwood, J. M.
Cleverly, W. B. A.M.
Jones, W. M.
Marten, E. B. M.

Stourport—
Baldwin, A. M.
Lloyd, S. Z. M.
Lucy, A. J. M.

Stowmarket—
Carter, J. A. A.M.

Stroud, Glos.—
Alder, G. F. A.M.
Brown, F. R. F. M.
Cowcher, G. A.M.
Edward, F. A.M.
Jones, S. G. M.
King, H. J. H. A.M.
Morgan, D. J. M.
Platt, F. J. M.
Sargeant, E. F. M.
Smith, T. G. M.

Sunderland—
Armstrong, W. I. M.
Christiansen, A. G., Jun., A.M.
Christiansen, A. G. A.M.
Clark, G. M.
Clark, H. M.
Coueslant, C. D. A.M.
Dale, J. M.
Dickinson, J. C. M.
Dickinson, J. M.
Doxford, R. P. M.
Meriton, T. H. R. M.
Mills, W. M.
Moore, J. F A.M.
Snell, J. F. C. M.
Thompson, R. C. M.
Wake, H. H. M.
Warren, W. M.
Watson, H. S. G.

Surbiton—
Harris, R. H. M.
Medley, C. P. A.M.
Wrinch, H. E. H. A.M.

Sutton, Surrey—
Lake, W. R. M.
Robins, G. M. M.
Saye, K. N. G.
Young, W. A.M.

Swanscombe—
Anderson, H. M.
Cheffins, H. W. J. A.M.

Swindon—
Browne, W. R. A.M.
Burge, R. L. G.
Burrows, G. H. A.M.
Churchward, G. J. M.
King, H. C. M.
Loveridge, A. W. A.M.
Shepherd, J. H. G.
Thomas, L. R. M.
Waister, W. H. M.
Williams, W. H. M.
Wright, F. G. M.

Tamworth—
Willis, E. T. M.

Taunton—
Barker, L. C. A.M.

Teddington—
Anderson, H. W. M.
Pilling, F. S. M.
Thompson, J. A. G.
Wort, W. E. A.M.

Tewkesbury—
Walker, T. A.M.

Thetford—
Burrell, C., Jun. M.
Burrell, C. W. W. G.
Cobbald, T. E. G.
Millington, F. H. M.
Wilson, E. M. G.
Wilson, W. C. M.

Thirsk—
Bamlett, A. C. M.

Tipton—
Chamberlain, J. G. A.
Chambers, E. J. M.
Howl, E. M.
Whitehouse, G. H. A.M.

Tonbridge—
Hervey, C. A.M.

Torquay—
Coombes, T. A.M.
Houghton, J. C. A. M.
Langdon, W. M.
Storey, P. M.
Toby, A. I. G.

Totteridge—
Newman, W. H. A.M.

Trowbridge—
Haden, C. I. A.M.
Haden, W. N. M.
Pontifex, B. A.M.

Tunbridge Wells—
Crowther, H. A.M.
Kenrick, A., Jun. A.M.
Salomons, Sir D. L. A.
Schmidt, F. A. A.M.

Twickenham—
Stenning, H. A. M.
Strickland, F. M.

Uxbridge—
Salis, H. R. de A.M.

Wakefield—
Childe, H. S. M.
Derbyshire, J. A.M.
Green, Sir E. M.
Longbotham, R. H. M.
Pursey, H. S. G.
Radcliffe, A. E. A.M.
Rhodes, C. J. A.M.
Vernon, W. H. A.M.

Wallingford—
Duvall, C. A. M.

Wallington—
Denman, J. P. G.

Wallsend—
Hunter, S. M.
Nelson, R. A.M.
Riseley, H. L. M.

Walmer—
Lapage, R. H. M.

Walsall—
Bullock, J. H. M.
Lunt, C. T. M.
Marshall, T. A.M.
Talbot, W. J. A.M.

Waltham Abbey—
Williams, E. J. A.M.
Williams, H. L. G.

Walton-on-Thames—
Hill, J. K. M.

Warrington—
Atherton, T. M.
Baker, H. A.M.
Bleckly, J. J. M.
Deas, J. M.
Dixon, R. M.
Massey, E. A.M.
Monks, F. W. M.
Neil, A. M.
Owen, H. G.
Purse, F. W. A.M.
Watson, J. M.

Warwick—
Hewlett, A. M.

Watford—
Blackburn, J. M.
Rogers, H. J. M.
Smith, G. A. G.

Wednesbury—
Guyatt, D. J. A.M.
Hawksworth, F. S. A.M.
Horton, E. M.
Horton, L. W. A.M.
Leach, R. W. A.M.
Micklewright, W. M.
Platt, F. M.
Platt, I. M.
Smallman, H. S. M.
Spencer, J. M.
Spencer, T. H. M.
Williams, R. M.

Wellingborough—
Mather, G. R. M.

Wellington, Salop—
Groom, R. A. M.
Pointon, J. E. A.M.

Wellington, Somerset—
Sparkes, S. H. M.

West Bromwich—
Braithwaite, R. C. M.
Bunn, C. W. A.M.
James, A. A. A.
Kenrick, G. H. M.
Kenrick, J. A. M.

West Drayton—
Hayward, G. A.M.

West Hartlepool—
Burton, C. K. G.
Dawson, J. E. A.M.
Fothergill, J. R. M.
Williams, J. B. M.
Withy, H. M.
Wright, A. R. G.

West Malling—
Chittenden, E. B. M.

Weybridge—
Evans, C. A. G.
Pettit, A. E. A.M.

Weymouth—
Manfield, W. G. G.
Powell, E. B. A.M.

Widnes—
Brown, B. M.
Gaskell, H., Jun. A.M.

Wigan—
Geach, F. S. M.
Percy, F. A.M.
Ross, J. M.
Walker, E. R. M.
Walker, J. S. M.

Winchester—
Haines, C. J. M.
Head, H. C. A.M.

Windsor—
Holden, P. G.
Mitchell, W. G. G.
Newton, P. M.
Willis, G. A.M.

Wingate—
Armstrong, W., Jun. M.

Woldingham—
Holbrow, C. A. A.M.

Wolsingham—
Snowdon, J. A. M.

Wolverhampton—
Anslow, D. A.M.
Berrington, E. E. W. A.M.
Britten, T. A.M.
Bulkeley, G. V. O. G.
Chambers, E. H. G.
Darby, A. E. A.M.
Deakin, G. W. A.M.
Down, P. B. A.M.
Fellows, T. E. A.M.
Green, F. W. A.M.
Lester, W. H. G.
Lloyd-Parton, F. G.
Lucy, E. E. M.
Newton, P. A.M.
Pickett, H. A. G.
Podesta, J. J. A.M.
Price, A. E. A.M.
Robinson, J. A. M.
Shawfield, C. E. C. M.
Smith, A. A.M.
Smith, D. M.
Stubbs, H. A.M.
Thompson, J. M.
Thompson, S. J. A.M.

Wolverton—
Mason, C. L. G.
Park, C. A. M.

Wooburn—
Harris, W. R. A. A.M.

Woolwich—
Angas, A. S. M.
Ashton, H. T. M.
Brown, W. M.
Carnegie, F. A.M.
Carnegie, W. M.
Dean, F. W. C. M.
Donaldson, H. F. M.
Fletcher, F. P. A.M.
Heap, R. D. T. M.
Ledingham, J. M. M.
Miles, W. E. M.
Naylor, J. H. A.M.
Pirie, G. M.
Travis, H. M.
Trayte, W. G. G.

Worcester—
Minors, E. G.
Morgan, H. F. S. G.
Urwick, A. J. M.
Wood, S. P. M.

Workington—
Keyte, G. A.M.
Kirk, H. M.
Milburn, J. M.
Price, J. M.
Spedding, J. W. G.
Williamson, R. M.

Yeovil—
Petter, P. W. A.M.

York—
Close, J. M.
Collinson, A. M.
Dow, J. W. M.
Fryer, F. G. A.M.
Humphreys, W. H. A.M.
Stamer, A. C. M.
Whitehead, A. O. G.

IRELAND.

Aughnacloy—
Akerlind, G. F. A.M.

Ballymoney—
Bradshaw, G. T. M. M.

Belfast—
Andrews, T. M.
Chambers, R. M. M.
Coates, V. H. M.
Combe, A. M.
Davidson, J. S. A.M.
Davidson, S. C. M.
Dobson, A. M.
Elliott, G. M.
Ferguson, W. D. M.
FitzGerald, Prof. M. F. M.
Grant, D. J. A.M.
Grant, W. A.M.
Harding, J. C. M.
MacColl, H. M.
MaGuire, F. G. M.

Belfast (*cont.*)**—**
Malcolm, B. M.
McCowen, V. A. H. M.
Moffatt, J. A. S. M.
Moore, T. L. M.
Pirrie, The Right Hon. W. J. M.
Pratten, W. J. M.
Reeves, W. M.
Reynolds, W. F. M.
Travers, E. J. M.
Wilson, A. B. M.
Wolff, G. W. M.
Yeames, J. L. A.M.

Carrickmines—
Armstrong, A. R. B. G.

Cork—
Gray, G. M. M.
Kersey, A. T. J. A.M.

Cork (*cont.*)**—**
Merrick, R. M.
Perrott, W. G.
Price, J. M.
Pulvertaft, R. G. A.M.
Smith, W. M. M.

Doagh—
McMeekin, A. A.M.

Dublin—
Baird, D. G. M.
Bevis, A. W. M.
Blissett, P. T. A.M.
Challenger, G. R. A.M.
Cluff, R. A.M.
Coey, R. M.
Coulton, I. B. A.M.
Cronin, R. M.
Cusack, H. E. M.
Dent, C. H. M.

Dublin (*cont.*)—
Fleischer, P. A.M.
Fradley, H. T. A.M.
Geoghegan, S. M.
Harris, S. E. A.M.
Hignett, A. H. M.
Holliday, J. M.
Hope, J. B. M.
Jameson, G. M.
Kennan, W. T. A.
Le Clair, L. J. A.M.
Lilly, W. E. M.
MacGarvey, H. M.
Maunsell, R. E. L. M.
Mecredy, J. A.
Meenan, G. B. A.M.
Miller, J. A.M.
Morgan, E. G. A.M.
Pigot, T. F. M.
Prideaux, F. G. A.M.

Dublin (*cont.*)—
Robertson, W. D. A.M.
Ross, W. M.
Sheffield, F. G. A.M.
Spence, A. W. M.
Spence, W. M.
Wakefield, W. M.
Waldron, P. L. M.
Waring, H. G.
Warren, F. F. M.
Wayte, J. B. A.M.
Wigham, J. R. M.
Winckworth, T. E. G.

Dundalk—
Bigger, C. A.M.
Clifford, C. M.
Manisty, E. M.

Larne Harbour—
Sutherland, J. A.M.

Limerick—
Gadd, W. M.
Lee, R. J. M.
Lee, S. E. M.

Londonderry—
Craig, A. M.

Moate—
Goodbody, R. M.

Monkstown—
Walpole, T. M.

Moy—
Garnett, H. A.M.

Newry—
Barcroft, H. A.
Hardy, W. A.M.

Raheny—
Cairnes, F. E. M.

SCOTLAND.

Aberdeen—
Bell, J. A. A.M.
Dalgarno, J. R. M.
Ewen, J. T. M.
Groundwater, A. G. A.M.
Hislop, D. B. A.M.
Jackson, W. M.
Mowat, T. M.
Nicol, R. G. M.
Simpson, W. M.
Stormont, P. C. M.
Thomson, J. W. A.M.

Airdrie—
Barman, H. D. D. M.
Finlayson, F. M.
Rew, J. H. M.

Alloa—
Finlayson, D. A.M.
Spence, W. L. M.

Arbroath—
Fraser, P. M.

Bridge of Allan—
Reid, J. W. A.M.

Carron—
Hamilton, T. F. A.M.

Coatbridge—
McGregor, J. A.M.

Coldstream—
Roberts, B. O. A.M.

Currie—
Robb, J. A.M.

Dumbarton—
Brock, W. M.
Brown, J. P. A.M.
Paul, M., Jun. M.

Dundee—
Berry, T. A.M.
Douglas, G. C. M.
Fyffe, A. M. G.
Lindsay, R. M.

Dundee (*cont.*)—
Lindsay, W. R. M.
Low, W. M.
MacDonald, D. J. M.
McGregor, W. A.M.
Murray, P. B. A.M.
Orr, C. R. M.
Parsons, T. G. A.M.
Sturrock, J. F. A.M.
Thompson, J. M.
Webb, T. H. M.

Edinburgh—
Beare, Prof. T. H. M.
Bertram, D. N. M.
Brown, A. B. M.
Clark, T. A. M.
Colam, W. N. M.
Crawford, G. W. A.M.
Drake, A. J. A.M.
Edmonds, Capt. R. J. M.
Gibbons, W. G. M.
Gulliver, G. H. A.M.
Lumsden, T. T. M. M.
Macdonald, I. G.
McFarlane, J. M.
Purves, W. T. A.M.
Stevenson, D. A. M.
Sutherland, D., Jun. A.M.
Thomson, G. M.
Wadams, S. J. G.
Weyman, J. E. M.

Errol—
Morton, D. A. M.

Falkirk—
McCrae, W. M.
McMillan, J. A.M.
White, W. A. A.M.

Gartsherrie—
Strathern, A. G. A.M.

Glasgow—
Aitken, H. W. M.
Alexander, W. A.M.

Glasgow (*cont.*)—
Allan, A. B. A.M.
Alley, S. E. M.
Andrew, Eng. Lt. G. E. M.
Arnot, W. M.
Arrol, Sir W. M.
Aspin, J. A.M.
Bain, W. N. M.
Barclay, W. A.M.
Barr, Prof. A. M.
Barrow, J. M.
Baxter, G. H. M.
Baxter, P. M. M.
Beardmore, W. M.
Biles, Prof. J. H. M.
Boyd, J. W. M.
Cartmell, J. M. A.M.
Clarkson, J. M.
Cochrane, J. M.
Cooper, T. L. R. M.
Cornish, Eng. Comm. E. M.
Couper, S. M.
Davie, J. P. A.M.
Davison, R. M.
Day, C. M.
Dixon, J. A.M.
Dixon, W. M.
Drummond, W. M.
Duff, P. J. G.
Dunkerton, E. C. A.M.
Dunlop, J. M.
Ellis, R. H. G.
Fisher, P. M.
Forbes, J. T. A.M.
Foster, J. M.
Gaze, E. H. J. M.
Gibson, G. H. A.M.
Goudie, W. J. A.M.
Grant, H. A.M.
Grant, T. M. M.
Hall-Brown, E. M.
Hamilton, W. D. M.
Hanbury, H. W. A.M.

Glasgow (*cont.*)—
Harden, G. F. St. C. A.M.
Harman, F. B. B. G.
Herriot, W. S. M.
Jacks, T. W. M. M.
Jackson, H. D. A.M.
Johnson, A. M.
Leitch, A. M.
Lemkes, C. R. L. A.
Lloyd, G. W. G.
Longbottom, J. G. A.M.
Lorimer, A. S. A.M.
MacBrayne, L. A.
Macdonald, J. M.
Maitland, C. M.
McFarlane, G. M.
McIntyre, J. H. A. M.
McKinnel, W. A.
McNeil, J. M.
Millar, J. M.
Moore, G. E. A.M.
Morton, D. H. M.
Motion, R. M.
Mowbray, A. H. A.M.
Muirhead, D. A.M.
Munro, R. D. M.
Palmer, W. D. A.M.
Parratt, H. E. G.
Pickering, J. M.
Pocock, J. H. A.M.
Reid, A. T. M.
Reid, H. M.
Reid, J. M.
Reid, R. S. M.
Richardson, J. S. M.
Robinson, I. V. A.M.
Rogerson, T. B. M.
Ross, W., Jun. M.
Rowan, J. M.
Saxby-Thomas, H. G. G.
Shanks, W. M.
Sharp, J. H. M.
Spencer, H. B. M.

Glasgow (*cont.*)—
Statham, F. B. A.M.
Thomson, A. M. A.M.
Thomson, J. M.
Tullis, D. K. M.
Turnbull, A. M.
Turnbull, W. L. M.
Turner, D. A.M.
Urie, W. M. M.
Watkinson, Prof. W. H. M.
Williamson, J. M.
Wilson, C. A. A.M.
Wilson, W. H. M.
Young, J. D. A.
Young, T. M.

Greenock—
Blake, M. M.
Graham, W. A.M.
MacLean, A. S. M.
McLarty, F. M. M.
Smart, R. H. M.

Innerleithen—
Tennant, Sir C. M.

Inverkeithing—
Plant, D. T. A.M.

Inverness—
Drummond, P. M.
Smith, F. G. A.M.

Kilmarnock—
Barr, J. A.
Dunn, H. S. M.
Kennedy, T. M.
Manson, J. M.
Munyard, A. A.M.
Turner, T. M.

Kirkcaldy—
Grant, L. M.
Henderson, R. A.M.

Melrose—
McGregor, J. A.M.

Mid-Calder—
Bryson, J. M.

Montrose—
Hale, H. A.M.

Motherwell—
Mackenzie, T. B. M.

Newport, Fifeshire—
Sommerville, A. G.

Paisley—
Barclay, A. W. M.
Bow, W. M.
Campbell, W. W. M.
Cave, W. H. A.M.
Drewitt, W. H. A.M.
Dunn, A. M. M.
Hislop, G. R., Jun. A.M.
Hislop, L. R. A.M.
McGee, W. M.
McLachlan, J. M.
Parkinson, C. F. A.M.
Tannett, J. C. M.
Walmsley, J. M.

Perth—
Pullar, A. E. M.

Peterhead—
Don, J. A.M.

Renfrew—
Brown, W. M.
Lobnitz, F. M.
McLaren, R. A. M.
Young, W. A. M.

Stewarton—
Love, R. T. A.M.

Wishaw—
Steele, J. M.

WALES.

Aberdare—
Lewis, Sir W. T. M.
Treharne, G. A. M.

Abergavenny—
Russell, H. A.M.

Blaenavon—
Dayson, W. O. M.

Burry Port—
Eager, J. M.

Bwlch—
Ashworth, H. M.

Caerleon—
Richards, E. W. M.

Cardiff—
Andrews, T. M.
Burt, J. W. E. A.M.
Cambridge, H. M.
Cameron, J. M.

Cardiff (*cont.*)—
Clark, R. G. G.
Cryer, A. M.
Dawson, E. M.
Dobbs, H. T. A.M.
Edwards, H. F. M.
Elliott, Dr. A. C. M.
Ellis, A. M.
Fisher, H. O. M.
Flindt, E. J. M.
Frisby, A. G. G.
Gard, G. R. G.
Gough, P. E. G.
Hallett, J. H. M.
Harris, F. G. R. A.M.
Hart, H. A. A.M.
Haslam, S. B. G.
Heald, J. A. M.
Hill, E. L. M.
Hosgood, J. H. M.
Hosgood, O. S. M.
Hughes, F. G.

Cardiff (*cont.*)—
Hunter, E. L. A.M.
James, E. M.
Jordan, E. M.
King, T. S. M.
Kortright, P. F. A.M.
Lewis, W. T. W. G.
Marquand, A. J. M.
McDonald, N. G.
Mills, A. E. A.M.
Monroe, R. M.
Osburn, G. V. A.M.
Pasquier, A. E. du A.M.
Patterson, A. M.
Reed, T. A. M.
Riches, T. H. M.
Roberts, D. E. M.
Roberts, G. R. W. G.
Schontheil, T. A.M.
Sibbering, G. T. M.
Stevenson, G. M. M.
Strachan, J. M.

Cardiff (*cont.*)—
Swan, E. M. A.M.
Thain, W. A. A.M.
Vyvyan-Robinson, C. A. G.
Woodward, A. A.M.

Cardigan—
Matthews, W. E. A.M.

Carnarvon—
Hayes, J. M.

Clydach, Glam.—
Edleston, A. E. A.M.

Cwmbran—
Barrs, E. G.

Dowlais—
Martin, E. P. M.

Landore—
Butler, J. M.

Llanelly—
Waddle, H. W. M.

Mold—
Buddicom, H. W. M.

Newport, Mon.—
Laurie, L. G. M.
Pattinson, J. M.
Pearson, T. W. A.M.
Phillips, C. D. M.
Read, J. H. M.
Stevens, A. J. M.

Penarth—
Bennett, H. A. D. A.M.

Pontypridd—
Gregory, H. M. M.
Lenox, G. D. A.M.
Thomas, A. L. A.M.

Port Dinorwic—
Pritchard, H. M.
Pritchard, W. E. A.M.

Portmadoc—
Isaac, R. M.

Port Talbot—
Cleaver, W. A.M.
Hosgood, W. J. M.

Ruabon—
Haswell, J. F. G

Swansea—
Davies, W. D. A.M.
Hosgood, T. W. G.
Hyne, H. E. G.
Molyneux, J. A.M.
Morgan, F. J. A.M.
Peel, C. E. M.
Player, J. M.
Prüsmann, C. A. L. A.M.
Ruthen, C. T. A.M.
Wright, J. R. M.

Wrexham—
Berkeley, T. D. A.M.
Hall, S. A.M.

Ynysmudw, Glam.—
Freeman, B. G.

CHANNEL ISLANDS.

St. Helier's, Jersey—
Aubin, P. A. G.

NAVAL ENGINEERS,

ON FOREIGN SERVICE—EXCLUSIVE OF THOSE AT HOME.

Baker, Eng. Lt. E. F. M.
Cooke, S. W. G.
Hall, Eng. Lt. W. B. M.
Hurst, Eng. Capt. I. E. M.
Liversedge, Eng. Comm. H. T. M.
Moore, Eng. Lt. W. L. M.
Stocker, Eng. Lt. P. M.
Veen, Eng. Lt. V. A. A. ter M.
Venning, Eng. Sub.-Lt. A. J. A.M.
Venning, Eng. Sub.-Lt. T. A. A.M.

FOREIGN COUNTRIES.

AFRICA.

BRIT. EAST AFRICA—
Mombasa—
Bremner, B. L. G.
Sandiford, C. M.

CANARY ISLANDS—
Las Palmas—
Barba, A. G. A.M.

CAPE COLONY—
Cape Town—
Banham, C. P. M.
Beatty, H. M. M.
Cliff, R. C. A.M.
Coster, W. W. A.M.
Cotton, G. B. G.
Denham, J. M.

Cape Town (*cont.*)—
Douglas, J. M. M.
Edwards, C. C. G.
Edwards, W. C. M.
Gibbs, J. H. M.
Goodman, F. A. G.
Linscott, A. B. A.M.
McLaren, W. A. M.

Cape Town (*cont.*)—
Meintjes, L. S. A.
Miller, H. W. M.
Payne, H. M.
Pickering, F. M.
Smith, W. H. M.

Claremont—
Read, C. M. A.M.

De Aar—
MacNay, A. M.

East London—
Preston, F. K. A.M.

Kimberley—
Berry, W. A.M.
Maclennan, H. V. A.M.
Orr, J. A.M.
Quentrall, T. M.
Scott, R. A.M.

King William's Town—
Sanders, G. E. A.M.

Lady Grey Bridge—
Newman, R. W. M.

Naauwpoort—
Duncan, W. M.

Port Elizabeth—
Hambly, J. M.
Ingham, W. M.

Queenstown—
Smyth, R. H. A.M.

Salt River—
Anderson, P. M.
Fry, W. E. R. G.

Simons Town—
Little, Eng. Capt. E. M.

Uitenhage—
Child, H. S. M.
Hawkins, J. C. G.
Malloch, W. F. M.
Thornton, H. R. M.
Watson, A. G. A.M.

Wynberg—
Allkin, H. W. A.M.
Wright, F. C. G.

EGYPT—

Alexandria—
Alderson, C. A. H. A.M.
Alderson, G. A. A.M.
Alderson, G. B. M.
Allen, F. M.
Blagden, H. R. C. M.
Elsworth, J. F. M.
Paterson, W. A.M.
Sheppard, H. G. M.
Tennant, A. M. A.M.

Cairo—
Bain, G. M.
Ball, J. A.M.
Calvi, A. U. G.
Fletcher, W. C. A.M.
George, W. C. A.M.
Hill, W. S. M.
Johnstone, Major J. H. L'E. M.
Mansfield, F. A.M.
Taylor, F. C. A.M.
Western, H. A.M.

Garbieh—
Wilson, D. E. A.M.

Kafr-el-Zayat—
Ramsay, A. C. A.M.

Shendy—
Stenning, H. W. A.M.

Tantah—
Peacock, F. M.
Peacock, J. A. W. M.

MAURITIUS—

Port Louis—
Dykes, A. J. M.
Malcolm, G. W. A.M.

NATAL—

Durban—
Dack, W. H. A.M.
Hemingway, R. L. A.M.
Hogg, J. T. A.M.
Milne, W. M.
Norman, G. F. A. A.M.
Robinson, J. J. M.
Short, A. M.
Stobie, G. M.
Titren, G. E. de K. A.M.

North Shepstone—
Harper, N. C. T. A.M.

Port Natal—
Shadwell, L. H. A. A.M.
Thomson, G. M.

NORTH AFRICA—

Tunis—
Warren, W. M.

ORANGE RIVER COLONY

Bloemfontein—
Hollis, S. A. A.M.
Prance, C. R. A.M.

Koffyfontein—
Hudson, G. A.M.

Kroonstad—
Johnson, P. H. A.M.
Nicholl, J. J. M.

RHODESIA—

Bulawayo—
Fletcher, H. C. A.M.
Jeffreys, R. R. V. A.M.
Johnson, G. A.M.

Salisbury—
Furness, R. L. A.M.
Groves, M. A.M.
Roberts, C. T. A.M.
Roberts, P. R. A.M.
Warton, R. G. F. A.M.

Umtali—
Gibbons, W. F. M.

TRANSVAAL—

Barberton—
Kirton, W. A.M.

Benoni—
Middleton, H. H. A.M.

East Rand—
Hathorn, J. C. M. A.M.

Germiston—
Parry, E. H. M.

Johannesburg—
Adams, S. R. A.M.
Bartley, B. C. A.M.
Begbie, T., Sen. M.
Begbie, T., Jun. A.M.
Begbie, W. A.M.
Behr, H. C. M.
Berry, J. F. M.
Blane, W. M.
Briggs, H. M.
Britten, T. J. M.
Burden, A. G. A.M.
Cannon, R. A.M.
Carolin, E. M. M.
Cowell, J. R. M.
Cruddas, W. J. A.M.
Daintree, T. E. M.
Davies, J. H. M.
Davis, C. R. S. A.M.
Epton, W. M. M.
Evans, G. C. A.M.
Fowler, P. M. M.
Frerichs, J. A. A.M.
Furnivall, W. H. G. A.M.
Gavey, A. A.M.
Goffe, E. A.M.
Griffiths, H. D. M.
Hele-Shaw, H. S. M.
Hosken, R. M.
Johnson, H. H. A.M.
McBean, J. A.M.
Mills, J. A. A.M.
Mitchell, B. M. M.
Palmer, H. B., Jun. A.M.
Pittar, A. V. A.M.
Pollard, F. J. A.M.
Poore, G. B. M.
Reunert, T. M.
Ritchie, A. M. A.M.
Smith, S. M.
Smyth, G. M. A.M.
Spencer, F. H. A.
Sproule, G. H. R. A.M.
Stokes, F. T. G.
Templer, H. L. M.
Thomas, J. F. I. M.
Vaughan, J. A. M.
Ward, J. P. A.M.
Watson, J. C. A.M.
Williams, D. T. A.M.
Wolstenholme, W. A.M.
Wood, W. H. M.

Pretoria—
Buck, E. C. A.M.
Chute, M. L. G.
Roberts, C. D. A.M.
Wilson, L. H. A.M

Randfontein—
Appleby, H. W. A.M.

WEST COAST—

Freetown—
Barker, E. G. M.
Espeut, R. W. A. A.M.
Robinson, J. D. M.
Stone, F. H. M.

Lagos—
Bennington, E. S. A.M.
Bonell, T. H. M. M.
Claxton, H. A.M.
Smith, E. T. A.M.

Old Calabar—
Auld, J. P. M.

Sekondi—
Hyland, J. F. M.

Tarkwa—
Buxton, R. H. A.M.
McJerrow, T. A.M.
Walkeden, G. H. M.

AMERICA (CENTRAL).

GUATEMALA—
Akers, C. H. M.

MEXICO—

Mexico City—
Blackmore, W. R. G.
Carter, H. F. M.
Gelling, J. W. M.
Wicks, G. H. M.
Williams, A. M.

Rincon Antonio—
Greaven, L. M.

NICARAGUA—

Chichigalpa—
Forsyth, W. A.M.

Matagalpa—
West, H. E. A.M.

WEST INDIES—

Antigua—
Dew, J. T. A.M.
Foote, T. D. G.

Barbados—
Brocklehurst, G. M.
Simpson, D. G. A.M.
Simpson, N. de L. A.M.

Cuba—
Keyworth, T. E. M.
Knight, W. E. M.

Grenada—
McQueen, J. C. M.

Jamaica—
Aitken, R. R. A.M.

Porto Rico—
Graham, R. M.
Thomson, D. L. A.M.

Trinidad—
Peet, J. M.
Wallace, J. M.

AMERICA (NORTH).

BRIT. N. AMERICA—

British Columbia—
Barrow, A. R. M. G.
Bromly, A. H. M.
Chatterton, R. A.M.
Croft, H. M.
Walkem, G. A. A.M.
Wood, C. A.M.

Mimico, Ont.—
Statham, H. A.M.

Montreal—
Dowson, E. C. H. A.M.
Flint, L. R. A.M.
Gibbons, N. B. G.
Johnson, L. R. M.
Launay, G. de G.
McAll, H. W. A.M.
Morton, J. H. A.M.
Redpath, F. R. M.
Vaughan, H. H. M.
Wallis, H. M.

Pakan, Alberta—
Cunningham, P. D. G. A.M.

Prince Albert—
Grant, W., Jun. G.

Toronto—
Crofts, J. C. T. M.

Winnipeg—
Sherwin, J. W. A.M.

UNITED STATES—

Boston—
Butcher, J. J. M.
Ramsbottom, J. G. M.

Cambridge—
Leavitt, E. D. M.

Canon City—
Jackling, D. C. A.M.

Chicago—
Higgs, A. F. A.M.
Hunt, R. W. M.
McDonald, W. A.M.
Widdicombe, R. A. A.M.

Cleveland—
Clegg, R. I. A.M.
Swasey, A. M.
Wellman, S. T. M.

East Pittsburg—
Loscher, A. P. A.M.
Nicholls, P. A.M.

Hartford—
Cave, H. A.M.

Indianapolis—
Ritchie, J. M. A.M.

Jacksonville—
Angas, W. M. M.

Little Boar's Head—
Jaques, Capt. W. H. M.

Long Island City—
Manton, A. W. M.

Los Angeles—
Chaffey, G. M.
McClure, J. R. A.M.

Madison—
Johnson, F. A. A.M.

Matteawan—
Blackburn, A. H. M.

Middlesbrough—
Bartlett, J. H. M.

New Britain—
Moore, W. J. P. M.

New Orleans—
Gill, C. E. A.M.

New York—
Bulkley, H. W. M.
Hart, F. M.
Hatschek, E. A.M.
Herschmann, A. J. A.M.
Hildage, H. T. A.M.
Lewis, W. Y. A.M.
Marsh, H. E. G.
Rapley, F. H. M.
Sanders, P. A. G.
Stewart, D. G.
Stockton, C. A.M.

Philadelphia—
Given, E. C. A.M.
Sellers, Dr. C. M.
Sellers, W. M.

Providence—
Mather, W. P. M.

Rochester, N.Y.—
Wile, J. I. A.M.

San Francisco—
Eckart, W. R. M.

Shawnee-on-Delaware—
Worthington, C. C. M.

Taunton—
Greensmith, J. E. M.

Worcester—
Morgan, C. H. M.

HAWAII—
Williams, J. N. S. M.

AMERICA (SOUTH).

ARGENTINE REP.—

Buenos Aires—
Abella, J. A.M.
Allen, T. F. A.M.
Arteaga, A. de M.
Bocquet, H. C. M.
Bow, J. A.M.
Calastremé, J. C. M.
Fernandez, R. A.M.
Garrett, E. A.M.
Gee, T. J. A.M.
Goddard, W. H. A.M.
Grant, P. M.
Greaven, A. A. M.
Henry, H. D. M.
Hicken, T. M.
Lander, P. V. M.
Marty, E. A.M.
McReddie, C. E. B. M.
Saccaggio, P. C. A.M.
Scholes, W. H. M.
Scott, J. M.
Tenney, D. A.M.
Wood, T. R. M.
York, F. C. M.

Entre Rios—
Lyons, R. E. B. A.M.

Mendoza—
Dawbarn, R. P. A.M.
Hopwood, J. M.

Rosario de Santa Fé—
Maria, H. S. A.M.
Seavill, L. C. A.M.

BRAZIL—

Campinas—
Stevenson, C. W. M.

Manãos—
McIvor, B. R. M.

Minas Geraes—
Parker, F. T. A.M.

Para—
Ward, J. M.

Pernambuco—
Cardozo, F. C. de M. M.
Chalmers, J. A.M.
Chivers, F. E. A.M.
Clark, A. M.
Fripp, S., Jun. A.M.
Johnson, E. A.M.
Thunder, C. J. A.M.

Rio de Janeiro—
Hamilton, G. J. G.
Mattos, A. G. de G.
Sutton, M. A.M.
Whichello, R. G.

Rio Grande do Sul—
Gray, A. C. M.

São Paulo—
Goodier, F. M.
Harrison, W. J. M.
Sheldon, W. J. M.

Uruguayana—
Ambler, F. M.

BRIT. GUIANA—

Berbice—
Parratt, W. H. M.

Georgetown—
Potter, G. O. A.M.

CHILE—

Iquique—
Ambler, R. V. A.M.
Hubback, C. A. M.
Nicholls, J. M. M.

Junin—
Beven, A. N. M.

Tocopilla—
Deacon, R. D. A.M.

Valparaiso—
Beaver, J. R. A.M.
Budge, E. M.
Slight, G. H. M.

PARAGUAY—
Lawes, G. E. M.

PERU—

Arequipa—
Forga, A. A.M.

Callao—
Garratt, H. W. M.

Iquitos—
Clayton, M. G. A.M.

URUGUAY—

Monte Video—
Halstead, J. H. M.

VENEZUELA—

Aroa—
Langdon, H. A. W. A.M.

Caracas—
Almond, H. J. M.

ASIA.

BRIT. N. BORNEO—

Labuan—
Ingate, G. J. A. A.M.

BURMA } See India.
CEYLON }

CHINA—

Hong Kong—
Appleby, G. W. M.

Hong Kong *(cont.)*—
Bailey, W. S. M.
Claret, W. E. A.M.
Dixon, W. B. M.
Focken, C. F. M.
Gordon, A. G. M.
Kirkwood, J. M.
Macdonald, D. M.
Newman, K. C. H. G.
Orange, J. M.
Parlane, W. M.

Hong Kong *(cont.)*—
Ramsay, W. M.
Simcock, P. A.M.
Tulip, W. G.
Wilks, E. C. M.

Shanghai—
Blagden, A. H. A.M.
Blechynden, J. M.
Groundwater, S. A.M.
Hearson, H. R. M.

Shanghai (*cont.*)—
Hiller, H. K. M.
Payne, F. G. A.M.
Pearson, C. D. G.
Reynolds, J. M.
Waight, J. M.
Wood, W. C. M.

Tientsin—
Bourne, T. J. M.
Gaston, A. B. A.M.
Knowles, G. S. A.M.
Kwang, K. Y. M.
Thomson, J. C. A.M.

INDIA—

Agra—
Stirling, J. A. M. A.M.

Ajmere—
Cotesworth, C. G. G.
Davidson, W. M.

Allahabad—
Wasdell, A. A.M.

Amritsar—
Ganga Ram M.

Aruvankad—
Price, R. A.M.

Bandikui—
Fraser, W. S. A.M.

Bangalore—
Bornam, W. E. M.

Bankipur—
Walford, F. A.M.

Baroda—
Patel, R. M. A.M.

Bombay—
Addis, F. H. G.
Amor, C. T. A.M.
Ashby, G. M.
Bell, A. M. M.
Bell, Major C. T. M.
Bigg-Wither, L. A.M.
Carruthers, R. M.
Chandabhoy, S. N. A.
Dadabhoy, C. M.
Dadina, H. M. M.
Davison, J. W. M.
Elsworthy, E. H. M.
Forbes, D. M. M.
Gahagan, R. H. A.M.
Gawthorne, W. A. A.M.
Hall, J. M.
Hepworth, J. W. M.
Jeejeebhoy, P. B. M.
Keightley, A. P. M.
Knowles, J. M.
Longworth, D. M.
Macbeth, J. B. K. M.
Molloy, H. J. M.
Ross, F. G. A.M.
Shroff, A. B. M.
St. Paul, C. A.M.
Thompson, E. W. A.M.
Wadia, N. N. M.
Walke, C. N. E. M.
Warwick, W. A.M.
Webb, R. G. M.
Weightman, W. J. M.
Whittell, A. L. M.

Borsad—
Patel, M. B. A.M.

Burrakur—
Macmillan, C. C. M.

Cachar—
Woods, H. A.M.

Calcutta—
Abbott, A. H. M.
Adie, A. E. M.
Amor, W. M.
Dame, J. M. M.
Dryden, A. M.
Forbes, W. G. L. S. M.
George, J. M. A.M.
Harrison, F. M.
Harwood, R. H. A.M.
Hunt, E. A.M.
McPherson, S. M.
Moylan, W. M. M.
Muggeridge, H. C. A.M.
Oxlade, H. J. W. M.
Pulman, T. C. M.
Roberts, W. P. A.M.
Rolfe, J. H. H. M.
Ruffle, F. F. A.M.
Scott, R. M.
Whichello, R. E. A.M.

Cawnpore—
Goulstone, E. E. A.M.
Morris, W. M.
Thomson, H. A.M.

Chakardharpur—
Hughes, R. M. M.

Chittagong—
Hawkins, R. S. M.

Cochin—
Brunton, J. E. C. G.

Colombo—
Boak, W. M.
Bolton, G. W. A.M.
Bradley, G. T. M.
Brixey, C. E. W. A.M.
Burnett, W. R. A.M.
Garratt, J. H. A.M.
Hutson, C. A. M.
Hyde, G. H. M.
Jayawardena, T. G. W. A.M.
Jolliffe, C. H. A.M.
Shanks, A. T. M.
Unsworth, H. G. M.

Delhi—
Nelson-Barrett, J. M. A.M.

Dibrugarh—
Locket, A. A.M.

Gwalior—
Baker, W. H. M.

Hotgi—
Barton, G. B. G.

Howrah—
Moore, W. H. M.
Morris, R. H. A.M.
Shirtliff, F. A.M.
Steele, W. R. M.
Trimmer, G. W. A. G.
Wans, O. G.

Hubli—
Sampson, E. D. M.
Yates, D. R. M. A.M.

Hunsur—
Wilkinson, W. H. A.M.

Hyderabad—
English, T. M. M.

Insein—
Burnside, B. W. A.M.
Cardew, C. E. M.
Johnson, L. P. M.

Jabalpur—
Smith, Lt.-Col. S. G. D. M.

Jalpaigure—
Carter, E. G.

Jamalpur—
Browne, T. R. M.
Eborall, C. W. M.
Radley, B. V. M.
Tomes, W. J. A.M.
Wood, H. A. M.

Kallai—
Barrett, C. E. M. A.M.

Kandy, Ceylon—
Tarver, H. H. A.M.

Karachi—
Cosser, T. M.
Davidson, J. M. M.
Herman, B. R. M.
Markwick, A. E. M.
Mills, Lieut. J. J. A.M.
Moore, J. M.

Khargpur—
Franklin, E. S. M.

Lahore—
Atkinson, A. M.
Bharucha, F. E. A.M.

Lucknow—
Brown, H. H. L. M.
Keatinge, S. A. J. M.
Robertson, J. M. A.M.
Swinchatt, P. H. A.M.

Madras—
Bamford, R. G. M.
Bryant, E. E. A.M.
Chatterton, Prof. A. M.
Emery, J. I. A.M.
Harris, H. E. A.M.
James, W. H. M.
Jordan, A. E. A.M.
Liddell, G. A.M.
Loane, S. J. M.
Mansfield, O. G.
Mansfield, W. A.M.
Phipps, C. E. M.
Pillai, V. P. D. M.
Spring, F. J. E. M.

Mangaldai—
Hadley, W. P. H. A.M.

Mozufferpore—
Ironside, W. A. A.M.
Williams, W. H. M.

Mussoorie—
Campbell, A. M.
Shanan, C. H. A.M.

Mysore—
Hincks, J. M. A.M.

Negapatam—
Lambert, J. H. A.M.

Rangoon—
Duncan, N. M.
Hamilton, A. G. G.
Lancaster, J. H. A.M.
Macdonald, F. C. M.
McGeorge, J. A.M.
Mutter, W. M.
Perry, W. F. S. M.

Roorkee—
McLaren, W. D. A.M.
Souter-Robertson, D. M.

Rosa—
Hadengue, C. B. A.M.

Secunderabad—
Rosenthal, F. M. B. A.M.

Silchar—
Ede, F. J. M.

Simla—
Buchanan, W. E. A.M.
Lampard, P. A.M.

Sitarampur—
Higby, R. G. M.

Sylhet—
Monckton, C. J. A.M.

Toungoo—
Simpson, J. T. M.

Trichinopoly—
Chabot, V. H. G.

Umballa—
Gravell, A. A.M.
Jones, F. R. M.

JAPAN—

Kobe—
Trevithick, R. F. M.

Nagasaki—
Ito, K. A.M.

Osaka—
Arakawa, S. M.
Kikuchi, K. M.
Takimura, T. A.M.

Tokyo—
Brindley, H. S. B. A.M.
Dan, T. M.
Hall, W. S. M.
Hiraoka, H. M.
Mano, Prof. B. M.
Matsubara, T. A.M.
Miyabara, J. M.
Nakajima, Y. M.
Shiba, C. A.M.
Shin, T. M.
Takatsuji, N. A.M.
West, Prof. C. D. M.
White, A. F. M.

Yokohama—
Münster, B. A. M.

JAVA—

Soerabaya—
Campbell, J. M.
Powell, B. N. A.M.

PHILIPPINE ISLANDS—

Manila—
Aitken, C. H. W. M.

SIAM—

Bangkok—
Chyn G.
Hill, W. H. G.
Mackay, J. M.
Stewart, G. M.

STRAITS STLMTS.—

Kuala Lumpor—
Craig, J. A.M.
Forbes, G. C. M.
Mills, F. M.

Penang—
Lawrie, J. M.
Moraes, H. F. A.M.
Wilson, W. B. A.M.
Young, R. M.

Perak—
Rose, A. A.M.

Selangor—
Groves, T. A.M.
Robertson, D. M.

Seremban—
Carter, S. A. A.M.

Singapore—
Coleridge, H. H. A.M.
Corbett, A. J. M.
Coveney, W. C. M.
Dick, J. N. M.
Finnie, W. A.M.
Gebbie, J. M
Goldie, R. M. A.M.
Gutcher, W. A.M.
Hall, J. E. A.M.
Hamilton, R. M.
Hancock, S. M.
Kitching, A. M.
Mackail, J. H. A.M.
Macbean, J. J. M.
Masterton, W. N. M.
Nicholson, J. R. M.
Saxelby, H. R. G.
Webster, W. M.

TURKEY-IN-ASIA—

Smyrna—
Issigonis, G. D. A.M.

AUSTRALASIA.

NEW SOUTH WALES—

Aberdeen—
Benn, W. W. W. A.M.

Granville—
Irons, T. M.

Newcastle—
Hirst, J. M.

Sydney—
Ahrbecker, H. C. V. M.
Arnot, A. J. M.
Brunton, P. G. M.
Christie, A. M.
Clarkson, E. J. M.
Cook, G. N. G.
Cruickshank, W. D. M.
Cullen, P. J. M.
Cutler, A. E. M.
Fenwick, J. M.

Sydney (*cont.*)—
Finlayson, R. W. M.
Franki, J. P. M.
German, W. H. M.
Grange, R. B. M.
Grimshaw, J. W. M.
Hodgson, G. H. A.M.
Hoskins, G. J. M.
Houghton, T. H. M.
Howarth, A. M. M.
Howe, H. B. M.
Jenkinson, E. H. M.
Kidd, H. M.
Massey, G. M.
McCredie, A. L. M.
Nisbet, W. H. M.
Noakes, W. M. M.
Noyes, E. A.
Price, A. M.
Selfe, N. M.

Sydney (*cont.*)—
Shand, J. M.
Shaw, P. C. W. M.
Sinclair, R. M.
Tatham, J. E. A.M.
Thow, W. M.
Turner, W. W. A.M.
Winlaw, W. W. A.M.

Tumbarumba—
Conyers, S. W. M.

QUEENSLAND—

Brisbane—
Goldsmith, A. J. M.
Holroyde, G. E. A.M.
Nutt, G. B. M.

Charters Towers—
Carthew-Wright, W. G.

Maryborough—
Wilson, H. M.

Mount Morgan—
Shepherd, R. L. M.

S. AUSTRALIA—

Adelaide—
Ayers, F. G. A.M.
Nichols, H. F. A.M.
Roberts, T. M.

Semaphore—
Swan, H. A. G.

TASMANIA—

Hobart—
Ross, E. S. A.M.

Launceston—
Deeble, W. R. M.

VICTORIA—

Ballarat—
Kerr, A. E. C. M.

Melbourne—
Conyers, W. M.
Deakin, B. W. M.

Melbourne (*cont.*)**—**
Griffiths, J. A. M.
Griffiths, W. J. M.
Kay, B. A.M.
Mais, H. C. M.
McRitchie, G. S. M.
Pearce, T. M.
Roberts, J. A.M.
Schloesser, R. A.M.
Swinburne, G. M.
Swinburne, W. M.

St. Kilda—
Mate, W. E. A.M.

W. AUSTRALIA—

Albany—
Hemingway, A. A.M.

Dardanup—
Bird, F. N. A.M.

Fremantle—
Denny, J. M.
Leslie, W. M.
Saunders, A. F. A.M.
Williams, H. W. M.

Kalgoorlie—
Crocker, C. E. A.M.

Katanning—
Piesse, F. T. R. A.M.

Perth—
Akroyd-Stuart, H. M.
Hursthouse, E. W. A.M.
Mathews, C. J. M.
McDonald, J. A. M.

Midland Railway—
Moon, E. R. M.

NEW ZEALAND—

Christchurch—
English, R. A.M.
Scott, H. A.M.
Scott, Prof. R. J. M.

Waluku—
Albrecht, J. A. A.M.

Wellington—
Ferguson, W. M.
Merrett, J. A. G.
Richardson, C. E. M.

EUROPE.

AUSTRIA—

Prerau—
Dare, A. N. A.M.

Vienna—
Blakey, R. C. M.
Hardy, J. G. M.

BELGIUM—

Brussels—
Bailly, P. M.
Bollinckx, A. M.
Carr, R. A. M.
Coppée, E. M.
Mathot, R. M.
Oakes, Sir R. L. M.
Selby, M. M.

Liége—
Timmermans, F. M.

DENMARK—

Veile—
Knight, A. H. A.M.

FINLAND—

Abo—
Eager, J. E. M.

FRANCE—

Neuilly-sur-Seine—
Marié, G. M.
Ryan, J. A.M.

Paris—
Bourdon, F. E. M.
Hanning, W. A.M.
Menier, H. M.
Molinos, L. M.

Paris (*cont.*)**—**
Rateau, Prof. A. M.
Roux, P. L. A.M.
Sauvage, Prof. E. M.
Taylor, M. G.

Rouen—
Windsor, E. W. M.

St. Denis—
D'Albert, C. M.

St. Ouen—
Farcot, P. M.

Toulon—
Berrier-Fontaine, M. M.

GERMANY—

Berlin—
Cruickshank, G. S. A.M.
Grove, D. M.

Brunswick—
Münzel, M. M.

Düsseldorf—
Boeddinghaus, J. M.
Li Foki G.
Röper, A. M.

Strassburg, Alsace—
Berthiez, C. M.

Wiesbaden—
Rudolph, O. F. H. L. A.M.

GIBRALTAR—
Andlau, W. F. von M.
Bate, Lt.-Col. C. M. M.

Gibraltar (*cont.*)**—**
Britton, Lieut. E. J. J. G.
Cornish, Lieut. H. J. M.
Howl, F. W. G.
Livesey, R. M. M.
Settle, J. R. A.M.
Thomas, N. S. G.
Williams, E. T. A.M.
Williams, W. W. M.

GREECE—

Piraeus—
Mastrantonis, P. M.

HOLLAND—

Flushing—
Martin, W. H. M.
Van Raalte, J. M.

Raamsdonk—
Reed, E. C. A.

Rotterdam—
Wilton, B. M.

ITALY—

Milan—
Nathan, A. M.
Rümmele, A. G.

MALTA—
Anderson, A. L. A.M.
Kerr, W. S. A.M.
Patchett, J. H. A.M.
Pogson, A. L. M.
Smith, J. S. A.M.
Wright, F. A.M.

MONTE CARLO—
Kershaw, J. M.

PORTUGAL—
Lisbon—
Fish, S. R. M.
Hawkins, L. G. A.M.

Oporto—
Edwards, J. G.
Ennor, C. J. M.

RUSSIA—
Alexandrov—
Stutzer, W. M.

Baku—
McCallum, E. A. A.M.
Reay, E. A.M.
Willans, C. T. A.M.

Elizabethgrad—
Davis, F. M. A.M.

Kharkov—
Read, H. G. M.

Lodz—
Buckley, V. E. M.
Ratcliffe, J. T. M.

Moscow—
Boardman, J. M.
Charnock, H. H. A.M.
Dixon, W. F. M.
Hopper, A. M.
Hopper, J. R. M.

Moscow *(cont.)*—
Jarvis, R. A.M.
Johnson, J. W. M.
Urmston, P. A.M.

Schlüsselburg—
Gibson, E. M. A.M.

Sereda—
Charnock, C. J. A.M.

St. Petersburg—
Berry, H. A.M.
Goldarbeiter, J. L. A.M.

SPAIN—
Alcaracejos—
West, W. P. A.M.

Almeria—
Hamilton, A., Jun. A.M.

Astillero—
Beirne, S. A. A.M.
Kensington, J. C. A.M.

Carballino—
Hess, A. C. G.

Cordoba—
Taylor, A. M.

Huelva—
Bennie, P. M.
Connell, W. P. A.M.

Madrid—
Aramburuy Silva, F. M.
Bindemann, H. O. F. A.M.

Madrid *(cont.)*—
Greenhill, T. A. M.
Phillips, E. G. A.M.
Presser, E. C. A. M.
Sturgess, A. T. M.

SWEDEN—
Eskilstuna—
Betts, S. M.

Stockholm—
Wadham, R. A.M.

SWITZERLAND—
Basle—
Goodbehere, E. A.M.

Neuchatel—
Walker, R. H. A.M.

Winterthur—
Rieter, E. H. A.M.
Sulzer, J. M.

Zürich—
Kapteyn, A. M.
Stodola, A. M.

TURKEY—
Constantinople—
Ahmed Pasha, Rear-Admiral M.
Dabell, A. F. A.M.
Khalil, Lieut. I. A.M.
Sirri, Lt. Comm. M. M.

THE INSTITUTION OF MECHANICAL ENGINEERS.

Memorandum of Association.

AUGUST 1878.

1st. The name of the Association is "THE INSTITUTION OF MECHANICAL ENGINEERS."

2nd. The Registered Office of the Association will be situate in England.

3rd. The objects for which the Association is established are:—

(A.) To promote the science and practice of Mechanical Engineering and all branches of mechanical construction, and to give an impulse to inventions likely to be useful to the Members of the Institution and to the community at large.

(B.) To enable Mechanical Engineers to meet and to correspond, and to facilitate the interchange of ideas respecting improvements in the various branches of mechanical science, and the publication and communication of information on such subjects.

(C.) To acquire and dispose of property for the purposes aforesaid.

(D.) To do all other things incidental or conducive to the attainment of the above objects or any of them.

4th. The income and property of the Association, from whatever source derived, shall be applied solely towards the promotion of the objects of the Association as set forth in this Memorandum of Association, and no portion thereof shall be paid or transferred directly or indirectly, by way of dividend, bonus, or otherwise howsoever, by way of profit to the persons who at any time are or have been Members of the Association, or to any of them, or to any person claiming through any of them: Provided that nothing herein contained shall prevent the payment in good faith of remuneration to any officers or servants of the Association, or to any Member of the Association, or other person, in return for any services rendered to the Association, or prevent the giving of privileges to the Members of the Association in attending the meetings of the Association, or prevent the borrowing of money (under such powers as the Association and the Council thereof may possess) from any Member of the Association, at a rate of interest not greater than five per cent. per annum.

5th. The fourth paragraph of this Memorandum is a condition on which a licence is granted by the Board of Trade to the Association in pursuance of Section 23 of the Companies Act 1867. For the purpose of preventing any evasion of the terms of the said fourth paragraph, the Board of Trade may from time to time, on the application of any Member of the Association, impose further conditions, which shall be duly observed by the Association.

6th. If the Association act in contravention of the fourth paragraph of this Memorandum, or of any such further conditions, the liability of every Member of the Council shall be unlimited; and the liability of every Member of the Association who has received any such dividend, bonus, or other profit as aforesaid, shall likewise be unlimited.

7th. Every Member of the Association undertakes to contribute to the Assets of the Association in the event of the same being wound up during the time that he is a Member, or within one

year afterwards, for payment of the debts and liabilities of the Association contracted before the time at which he ceases to be a Member, and of the costs, charges, and expenses for winding up the same, and for the adjustment of the rights of the contributories amongst themselves, such amount as may be required not exceeding Five Shillings, or in case of his liability becoming unlimited such other amount as may be required in pursuance of the last preceding paragraph of this Memorandum.

8th. If upon the winding up or dissolution of the Association there remains, after the satisfaction of all its debts and liabilities, any property whatsoever, the same shall not be paid to or distributed among the Members of the Association, but shall be given or transferred to some other Institution or Institutions having objects similar to the objects of the Association, to be determined by the Members of the Association at or before the time of dissolution; or in default thereof, by such Judge of the High Court of Justice as may have or acquire jurisdiction in the matter.

Articles of Association.

FEBRUARY 1893.

(*Article* 23 *revised March* 1902.)

INTRODUCTION.

Whereas an Association called "The Institution of Mechanical Engineers" existed from 1847 to 1878 for objects similar to the objects expressed in the Memorandum of Association of the Association (hereinafter called "the Institution") to which these Articles apply;

And whereas the Institution was formed in 1878 for furthering and extending the objects of the former Institution, by a registered Association, under the Companies Acts 1862 and 1867;

And whereas terms used in these Articles are intended to have the same respective meanings as they have when used in those Acts, and words implying the singular number are intended to include the plural number, and *vice versâ*;

NOW THEREFORE IT IS HEREBY AGREED as follows:—

CONSTITUTION.

1. For the purpose of registration the number of members of the Institution is unlimited.

MEMBERS, ASSOCIATE MEMBERS, GRADUATES, ASSOCIATES, AND HONORARY LIFE MEMBERS.

2. The present Members of the Institution, and such other persons as shall be admitted in accordance with these Articles, and none others, shall be Members of the Institution, and be entered on the register as such.

3. Any person may become a Member of the Institution who shall be qualified and elected as hereinafter mentioned, and shall agree to become such Member, and shall pay the entrance fee and first subscription accordingly.

4. The qualification of Members shall be prescribed by the By-laws from time to time in force, as provided by the Articles.

5. The election of Members shall be conducted as prescribed by the By-laws from time to time in force, as provided by the Articles.

6. In addition to the persons already admitted as Graduates, Associates, and Honorary Life Members respectively, the Institution may admit such persons as may be qualified and elected in that behalf as Associate Members, Graduates, Associates, and Honorary Life Members respectively of the Institution, and may confer upon them such privileges as shall be prescribed by the By-laws from time to time in force, as provided by the Articles: provided that no Associate Member, Graduate, Associate, or Honorary Life Member shall be deemed to be a Member within the meaning of the Articles.

7. The qualification and mode of election of Associate Members, Graduates, Associates, and Honorary Life Members shall be prescribed by the By-laws from time to time in force, as provided by the Articles.

8. The rights and privileges of every Member, Associate Member, Graduate, Associate, or Honorary Life Member shall be personal to himself, and shall not be transferable or transmissible by his own act or by operation of law.

ENTRANCE FEES AND SUBSCRIPTIONS.

9. The Entrance Fees and Subscriptions of Members, Associate Members, Graduates, and Associates shall be prescribed by the By-laws from time to time in force, as provided by the Articles.

EXPULSION.

10. If any Member, Associate Member, Graduate, or Associate shall leave his subscription in arrear for two years, and shall fail to pay such arrears within three months after a written application has been sent to him by the Secretary, his name may be struck off the register by the Council at any time afterwards, and he shall thereupon cease to have any rights as a Member, Associate Member, Graduate, or Associate, but he shall nevertheless continue liable to pay the arrears of subscription due at the time of his name being so struck off: provided always that this regulation shall not be construed to compel the Council to remove any name, if they shall be satisfied the same ought to be retained.

11. The Council may refuse to continue to receive the subscriptions of any person who shall have wilfully acted in contravention of the regulations of the Institution, or who shall in the opinion of the Council have been guilty of such conduct as shall have rendered him unfit to continue to belong to the Institution; and may remove his name from the register, and he shall thereupon cease to be a Member, Associate Member, Graduate, or Associate (as the case may be) of the Institution.

GENERAL MEETINGS.

12. The General Meetings shall consist of the Ordinary Meetings, the Annual General Meeting, and of Special Meetings as hereinafter defined.

13. The Annual General Meeting shall take place in London in one of the first four months of every year. The Ordinary Meetings shall take place at such times and places as the Council shall determine.

14. A Special Meeting may be convened at any time by the Council, and shall be convened by them whenever a requisition signed by twenty Members or Associate Members of the Institution,

specifying the object of the Meeting, is left with the Secretary. If for fourteen days after the delivery of such requisition a Meeting be not convened in accordance therewith, the Requisitionists or any twenty Members or Associate Members of the Institution may convene a Special Meeting in accordance with the requisition. All Special Meetings shall be held in London.

15. Seven clear days' notice of every Meeting, specifying generally the nature of any special business to be transacted at any Meeting, shall be given to every person on the register of the Institution, except as provided by Article 35, and no other special business shall be transacted at such Meeting; but the non-receipt of such notice shall not invalidate the proceedings of such Meeting. No notice of the business to be transacted (other than such ballot lists as may be requisite in case of elections) shall be required in the absence of special business.

16. Special business shall include all business for transaction at a Special Meeting, and all business for transaction at every other Meeting, with the exception of the reading and confirmation of the Minutes of the previous Meeting, the election of Members, Associate Members, Graduates, and Associates, and the reading and discussion of communications as prescribed by the By-laws, or by any regulations of the Council made in accordance with the By-laws.

PROCEEDINGS AT GENERAL MEETINGS.

17. Twenty Members or Associate Members shall constitute a quorum for the purpose of a Meeting other than a Special Meeting. Thirty Members or Associate Members shall constitute a quorum for the purpose of a Special Meeting.

18. If within thirty minutes after the time fixed for holding the Meeting a quorum is not present, the Meeting shall be dissolved, and all matters which might, if a quorum had been present, have been done at a Meeting (other than a Special Meeting) so dissolved, may forthwith be done on behalf of the Meeting by the Council.

19. The President shall be Chairman at every Meeting, and in his absence one of the Vice-Presidents; and in the absence of all Vice-Presidents a Member of Council shall take the chair; and if no Member of Council be present and willing to take the chair, the Meeting shall elect a Chairman.

20. The decision of a General Meeting shall be ascertained by show of hands, unless, after the show of hands, a poll is forthwith demanded; and by a poll, when a poll is thus demanded. The manner of taking a show of hands or a poll shall be in the discretion of the Chairman; and an entry in the Minutes, signed by the Chairman, shall be sufficient evidence of the decision of the General Meeting. Each Member and Associate Member shall have one vote and no more. In case of equality of votes the Chairman shall have a second or casting vote: provided that this Article shall not interfere with the provisions of the By-laws as to election by ballot.

21. The acceptance or rejection of votes by the Chairman shall be conclusive for the purpose of the decision of the matter in respect of which the votes are tendered: provided that the Chairman may review his decision at the same Meeting, if any error be then pointed out to him.

BY-LAWS.

22. The By-laws set forth in the schedule to these Articles, and such altered and additional By-laws as shall be substituted or added as hereinafter mentioned, shall regulate all matters by the Articles left to be prescribed by the By-laws, and all matters which consistently with the Articles shall be made the subject of By-laws. Alterations in, and additions to, the By-laws, may be made only by resolution of the Members and Associate Members at an Annual General Meeting, after notice of the proposed alteration or addition has been announced at the previous Ordinary Meeting, and not otherwise.

COUNCIL.

23. The Council of the Institution shall be chosen from the Members only, and shall consist of one President, six Vice-Presidents, twenty-one ordinary Members of Council, and of the Past-Presidents. The President, two Vice-Presidents, and seven Members of Council (other than Past-Presidents), shall retire at each Annual General Meeting, but shall be eligible for re-election. The Vice-Presidents and Members of Council to retire each year shall, unless the Council agree otherwise among themselves, be chosen from those who have been longest in office, and in cases of equal seniority shall be determined by ballot.

24. The election of a President, Vice-Presidents, and Members of Council, to supply the place of those retiring at the Annual General Meeting, shall be conducted in such manner as shall be prescribed by the By-laws from time to time in force, as provided by the Articles.

25. The Council may supply any casual vacancy in the Council (including any casual vacancy in the office of President) which shall occur between one Annual General Meeting and another; and the President, Vice-Presidents, or Members of Council so appointed by the Council shall retire at the succeeding Annual General Meeting. Vacancies not filled up at any such Meeting shall be deemed to be casual vacancies within the meaning of this Article.

OFFICERS.

26. The Treasurer, Secretary, and other employés of the Institution shall be appointed and removed in the manner prescribed by the By-laws from time to time in force, as provided by the Articles. Subject to the express provisions of the By-laws, the officers and servants of the Institution shall be appointed and removed by the Council.

27. The powers and duties of the officers of the Institution shall, subject to any express provision in the By-laws, be determined by the Council.

POWERS AND PROCEDURE OF COUNCIL.

28. The Council may regulate their own procedure, and delegate any of their powers and discretions to any one or more of their body, and may determine their own quorum: if no other number is prescribed, three members of Council shall form a quorum.

29. The Council shall manage the property, proceedings, and affairs of the Institution, in accordance with the By-laws from time to time in force.

30. The Treasurer may, with the consent of the Council, invest in the name of the Institution any moneys not immediately required for the purposes of the Institution in or upon any of the following investments (that is to say):—

(A) The Public Funds, or Government Stocks of the United Kingdom, or of any Foreign or Colonial Government guaranteed by the Government of the United Kingdom.

(B) Real or Leasehold Securities, or in the purchase of real or leasehold properties in Great Britain or Ireland.

(C) Debentures, Debenture Stock, or Guaranteed or Preference Stock, of any Company incorporated by special Act of Parliament, the ordinary Shareholders whereof shall at the time of such investment be in actual receipt of half-yearly or yearly dividends.

(D) Stocks, Shares, Debentures, or Debenture Stock of any Railway, Canal, or other Company, the undertaking whereof is leased to any Railway Company at a fixed or fixed minimum rent.

(E) Stocks, Shares, or Debentures of any East Indian Railway or other Company, which shall receive a contribution from His Majesty's East Indian Government of a fixed annual percentage on their capital, or be guaranteed a fixed annual dividend by the same Government.

(F) The security of rates levied by any corporate body empowered to borrow money on the security of rates, where such borrowing has been duly authorised by Act of Parliament.

31. The Council may, with the authority of a resolution of the Members and Associate Members in General Meeting, borrow moneys for the purposes of the Institution on the security of the property of the Institution, or otherwise at their discretion.

32. No act done by the Council, whether *ultra vires* or not, which shall receive the express or implied sanction of the Members and Associate Members in General Meeting, shall be afterwards impeached by any member of the Institution on any ground whatsoever, but shall be deemed to be an act of the Institution.

NOTICES.

33. A notice may be served by the Council upon any Member, Associate Member, Graduate, Associate, or Honorary Life Member, either personally or by sending it through the post in a prepaid letter addressed to him at his registered place of abode.

34. Any notice, if served by post, shall be deemed to have been served at the time when the letter containing the same would be delivered in the ordinary course of the post; and in proving such service it shall be sufficient to prove that the letter containing the notice was properly addressed and put into the post office.

35. No Member, Associate Member, Graduate, Associate, or Honorary Life Member, not having a registered address within the United Kingdom, shall be entitled to any notice; and all proceedings may be had and taken without notice to such member, in the same manner as if he had had due notice.

By-laws.

(*Last Revision, February* 1894.)

MEMBERSHIP.

1. Candidates for admission as Members must be persons not under twenty-five years of age, who, having occupied during a sufficient period a responsible position in connection with the practice or science of Engineering, may be considered by the Council to be qualified for election.

2. Candidates for admission as Associate Members must be persons not under twenty-five years of age, who, being engaged in such work as is connected with the practice or science of Engineering, may be considered by the Council to be qualified for election, though not yet to occupy positions of sufficient responsibility, or otherwise not yet to be eligible, for admission as Members. They may afterwards be transferred at the discretion of the Council to the class of Members.

3. Candidates for admission as Graduates must be persons holding subordinate situations, and not under eighteen years of age. They must furnish evidence of training in the principles as well as in the practice of Engineering. Before attaining the age of twenty-six years, those elected after 1892 must apply for election as Members, Associate Members, or Associates, if they desire to remain connected with the Institution; they may not continue Graduates after attaining the age of twenty-six.

4. Candidates for admission as Associates must be persons not under twenty-five years of age, who from their scientific attainments or position in society may be considered eligible by the Council. They may afterwards be transferred at the discretion of the Council to the class of Associate Members or of Members.

5. The Council shall have the power to nominate as Honorary Life Members persons of eminent scientific acquirements, who in their opinion are eligible for that position.

6. The Members, Associate Members, Graduates, Associates, and Honorary Life Members shall have notice of and the privilege to attend all Meetings; but Members and Associate Members only shall be entitled to vote thereat.

7. The abbreviated distinctive Titles for indicating the connection with the Institution of Members, Associate Members, Graduates, Associates, or Honorary Life Members thereof, shall be the following:—for Members, M. I. Mech. E.; for Associate Members, A. M. I. Mech. E.; for Graduates, G. I. Mech. E.; for Associates, A. I. Mech. E.; for Honorary Life Members, Hon. M. I. Mech. E.

8. Subject to such regulations as the Council may from time to time prescribe, any Member, Associate Member, or Associate may upon application to the Secretary obtain a Certificate of his membership or other connection with the Institution. Every such certificate shall remain the property of, and shall on demand be returned to, the Institution.

ENTRANCE FEES AND SUBSCRIPTIONS.

9. Each Member shall pay an Annual Subscription of £3, and on election an Entrance Fee of £2.

10. Each Associate Member shall pay an Annual Subscription of £2 10*s.*, and on election an Entrance Fee of £1. If afterwards transferred by the Council to the class of Members, he shall pay on transference 10*s.* additional subscription for the current year, and £1 additional entrance fee.

11. Each Graduate shall pay an Annual Subscription of £1 10*s.*, but no Entrance Fee. Any Graduate elected prior to 1893, if transferred by the Council to the class of Associate Members, shall pay on transference £1 additional subscription for the current year, but no additional entrance fee; if transferred direct to the class of Members, he shall pay on transference £1 10*s.* additional subscription for the current year, and £1 additional entrance fee.

12. Each Associate shall pay an Annual Subscription of £2 10*s*., and on election an Entrance Fee of £1. If afterwards transferred by the Council to the class of Associate Members, he shall pay on transference no additional subscription or entrance fee. If transferred direct to the class of Members, he shall pay on transference 10*s*. additional subscription for the current year, and £1 additional entrance fee; except Associates elected prior to 1893, who shall pay no additional entrance fee on transference.

13. All subscriptions shall be payable in advance, and shall become due on the 1st day of January in each year; and the first subscription of Members, Associate Members, Graduates, and Associates, shall date from the 1st day of January in the year of their election.

14. In the case of Members, Associate Members, Graduates, or Associates, elected in the last three months of any year, the first subscription shall cover both the year of election and the succeeding year.

15. Any Member, Associate Member, or Associate, whose subscription is not in arrear, may at any time compound for his subscription for the current and all future years by the payment of Fifty Pounds, if paid in any one of the first five years of his membership. If paid subsequently, the sum of Fifty Pounds shall be reduced by One Pound per annum for every year of membership after five years. All compositions shall be deemed to be capital moneys of the Institution.

16. The Council may at their discretion reduce or remit the annual subscription, or the arrears of annual subscription, of any Member or Associate Member who shall have been a subscribing member of the Institution for twenty years, and shall have become unable to continue the annual subscription provided by these By-laws.

17. No Proceedings or Ballot Lists or Certificates shall be sent to Members, Associate Members, Graduates, or Associates, who are in

arrear with their subscriptions more than twelve months, and whose subscriptions have not been remitted by the Council as hereinbefore provided.

ELECTION OF MEMBERS, ASSOCIATE MEMBERS, GRADUATES, AND ASSOCIATES.

18. A recommendation for admission according to Form A or B in the Appendix shall be forwarded to the Secretary, and by him be laid before the next Meeting of the Council. The recommendation must be signed by not less than five Members or Associate Members if the application be for admission as a Member or Associate Member or Associate, and by three Members or Associate Members if it be for a Graduate.

19. All elections shall take place by ballot, four-fifths of the votes given being necessary for election.

20. All applications for admission shall be communicated by the Secretary to the Council for their approval previous to being inserted in the ballot list for election, and the approved ballot list shall be signed by the President and forwarded to the Members and Associate Members. The name of any Candidate approved by the Council for admission as an Associate Member or an Associate shall not be inserted in the ballot list until he has signed the Form C in the Appendix. The ballot list shall specify the name, occupation, and address of the Candidates, and also by whom proposed and seconded. The lists shall be opened only in the presence of the Council on the day of election, by a Committee to be appointed for that purpose.

21. The Elections shall take place at the General Meetings only.

22. When the proposed Candidate is elected, the Secretary shall give him notice thereof according to Form D; but his name shall not be added to the register of the Institution until he shall have paid his Entrance Fee and first Annual Subscription, and signed the Form E in the Appendix.

23. In case of non-election, no mention thereof shall be made in the Minutes, nor any notice given to the unsuccessful Candidate.

24. An Associate Member desirous of being transferred to the class of Members, or an Associate to the class of Associate Members or of Members, shall forward to the Secretary a recommendation according to Form F in the Appendix, signed by not less than five Members or Associate Members, which shall be laid before the next meeting of Council for their approval. On their approval being given, the Secretary shall notify the same to the Candidate according to Form G; but his name shall not be added to the list of Members or Associate Members until he shall have signed the Form H, and shall have paid the additional entrance fee (if any), and the additional subscription (if any) for the current year.

ELECTION OF PRESIDENT, VICE-PRESIDENTS, AND MEMBERS OF COUNCIL.

25. Candidates shall be put in nomination at the General Meeting preceding the Annual General Meeting, when the Council are to present a list of their retiring Members who offer themselves for re-election; any Member or Associate Member shall then be entitled to add to the list of Candidates. The ballot list of the proposed names shall be forwarded to the Members and Associate Members. The ballot lists shall be opened only in the presence of the Council on the day of election, by a Committee to be appointed for that purpose.

APPOINTMENT AND DUTIES OF OFFICERS.

26. The Treasurer shall be a Banker, and shall hold the uninvested funds of the Institution, except the moneys in the hands of the Secretary for current expenses. He shall be appointed by the Members and Associate Members at a General or Special Meeting, and shall hold office at the pleasure of the Council.

27. The Secretary of the Institution shall be appointed, as and when a vacancy occurs, by the Members and Associate Members at a General or Special Meeting, and shall be removable by the Council upon six months' notice from any day. The Secretary shall give the same notice. The Secretary shall devote the whole of his time to the work of the Institution, and shall not engage in any other business or profession.

28. It shall be the duty of the Secretary, under the direction of the Council, to conduct the correspondence of the Institution; to attend all meetings of the Institution, and of the Council, and of Committees; to take minutes of the proceedings of such meetings; to read the minutes of the preceding meetings, and all communications that he may be ordered to read; to superintend the publication of such papers as the Council may direct; to have the charge of the library; to direct the collection of the subscriptions, and the preparation of the account of expenditure of the funds; and to present all accounts to the Council for inspection and approval. He shall also engage (subject to the approval of the Council) and be responsible for all persons employed under him, and set them their portions of work and duties. He shall conduct the ordinary business of the Institution, in accordance with the Articles and By-laws and the directions of the President and Council; and shall refer to the President in any matters of difficulty or importance, requiring immediate decision.

MISCELLANEOUS.

29. All Papers shall be submitted to the Council for approval, and after their approval shall be read by the Secretary at the General Meetings, or by the Author with the consent of the Council; or, if so directed by the Council, shall be printed in the Proceedings without having been read at a General Meeting.

30. All books, drawings, communications, &c., shall be accessible to the members of the Institution at all reasonable times.

31. All communications to the Meetings shall be the property of the Institution, and be published only by the authority of the Council.

32. None of the property of the Institution—books, drawings, &c.—shall be taken out of the premises of the Institution without the consent of the Council.

33. All donations to the Institution shall be enumerated in the Annual Report of the Council presented to the Annual General Meeting.

34. The General Meetings shall be conducted as far as practicable in the following order:—

1st. The Chair to be taken at such hour as the Council may direct from time to time.

2nd. The Minutes of the previous Meeting to be read by the Secretary, and, after being approved as correct, to be signed by the Chairman.

3rd. The Ballot Lists, previously opened by the Council, to be presented to the Meeting, and the new Members, Associate Members, Graduates, and Associates elected to be announced.

4th. Papers approved by the Council to be read by the Secretary, or by the Author with the consent of the Council.

35. Each Member or Associate Member shall have the privilege of introducing one friend to any of the Meetings; but, during such portion of any meeting as may be devoted to any business connected with the management of the Institution, visitors shall be requested by the Chairman to withdraw, if any Member or Associate Member asks that this shall be done.

36. Every Member, Associate Member, Graduate, Associate, or Visitor, shall write his name and residence in a book to be kept for the purpose, on entering each Meeting.

37. The President shall ex officio be member of all Committees of Council.

38. Seven clear days' notice at least shall be given of every meeting of the Council. Such notice shall specify generally the business to be transacted by the meeting. No business involving the expenditure of the funds of the Institution (except by way of payment of current salaries and accounts) shall be transacted at any Council meeting unless specified in the notice convening the meeting.

39. The Council shall present the yearly accounts to the Annual General Meeting, after being audited by a professional accountant, who shall be appointed annually by the Members and Associate Members at a General or a Special Meeting, at a remuneration to be then fixed by the Members and Associate Members.

40. Any member wishing to have a copy of the Papers sent to him for consideration beforehand can do so by sending in his name once in each year to the Secretary; and a copy of all Papers shall then be forwarded to him as early as possible prior to the date of the Meeting at which they are intended to be read.

41. At any Meeting of the Institution any member shall be at liberty to re-open the discussion upon any Paper which has been read or discussed at the preceding Meeting; provided that he signifies his intention to the Secretary at least one month previously to the Meeting, and that the Council decide to include it in the notice of the Meeting as part of the business to be transacted.

APPENDIX.

FORM A.

Mr. being years of age, and desirous of admission into The Institution of Mechanical Engineers, we, the undersigned proposer and seconder from our personal knowledge, and the three other signers from trustworthy information, propose and recommend him as a proper person to belong to the Institution.

Witness our hands, this day of

Members or Associate Members.

FORM B.

Mr. born on being desirous of admission into The Institution of Mechanical Engineers, we, the undersigned proposer and seconder from our personal knowledge, and the other signer or signers from trustworthy information, propose and recommend him as a proper person to become a Graduate thereof.

Witness our hands, this day of

Members or Associate Members.

FORM C.

If elected an of The Institution of Mechanical Engineers, I, the undersigned, do hereby engage to ratify my election by signing the form of agreement (E) and paying the Entrance Fee and Annual Subscription in conformity with the By-laws.

Witness my hand, this day of

FORM D.

Sir,—I have to inform you that on the you were elected a of The Institution of Mechanical Engineers. For the ratification of your election in conformity with the rules, it is requisite that the enclosed form be returned to me with your signature, and that your Entrance Fee and first Annual Subscription be paid, the amounts of which are and respectively. If these be not received within two months from the present date, the election will become void.

I am, Sir, Your obedient servant,

Secretary.

FORM E.

I, the undersigned, being elected a of The Institution of Mechanical Engineers, do hereby agree that I will be governed by the regulations of the said Institution, as they are now formed or as they may hereafter be altered; that I will advance the objects of the Institution as far as shall be in my power, and will attend the Meetings thereof as often as I conveniently can: provided that, whenever I shall signify in writing to the Secretary that I am desirous of withdrawing from the Institution, I shall (after the payment of any arrears which may be due by me at that period) be free from this obligation.

Witness my hand, this day of

FORM F.

Mr. being years of age, and desirous of being transferred into the class of of The Institution of Mechanical Engineers, we, the undersigned, from our personal knowledge recommend him as a proper person to be so transferred by the Council.

Witness our hands, this day of

Members or Associate Members.

FORM G.

Sir,—I have to inform you that the Council have approved of your being transferred to the class of of The Institution of Mechanical Engineers. For the ratification of your transference in conformity with the rules, it is requisite that the enclosed form be returned to me with your signature, and that your additional Entrance Fee and additional Annual Subscription for the current year be paid, the amounts of which are and respectively. If these be not received within two months from the present date, the transference will become void.

I am, Sir, Your obedient servant,

Secretary.

FORM H.

I, the undersigned, having been transferred to the class of of The Institution of Mechanical Engineers, do hereby agree that I will be governed by the regulations of the said Institution, as they now exist, or as they may hereafter be altered; that I will advance the objects of the Institution as far as shall be in my power, and will attend the Meetings thereof as often as I conveniently can: provided that, whenever I shall signify in writing to the Secretary that I am desirous of withdrawing from the Institution, I shall (after the payment of any arrears which may be due by me at that period) be free from this obligation.

Witness my hand, this day of